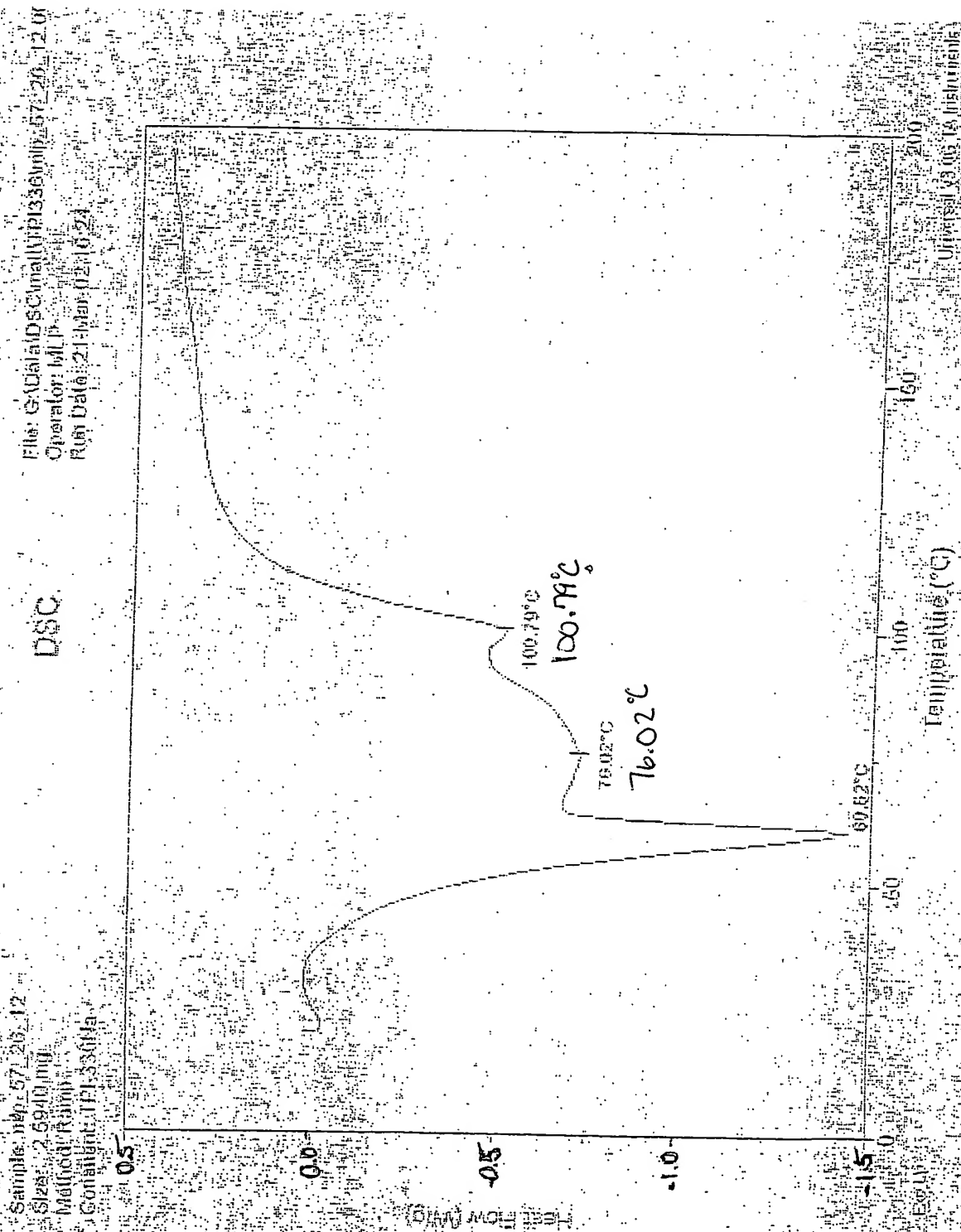


FIG. 1



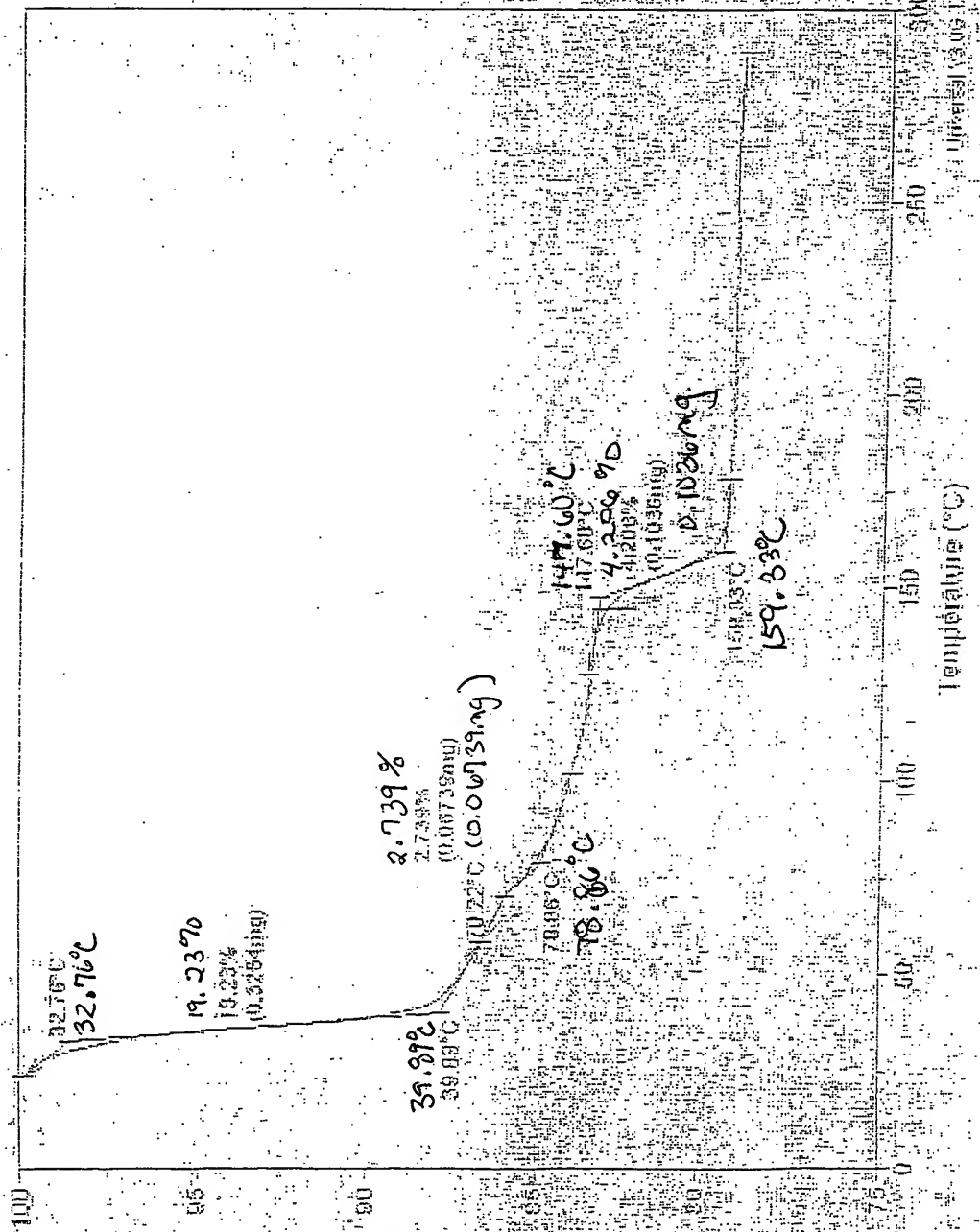
BEST AVAILABLE COPY

FIG. 2

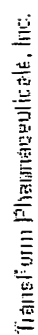
File: G:\Data\TGA\mha\NTP1335mha_57_26_1301
Operator: mlp
Run Date: 21-Mar-02 16:29

TGA

Sample: mha_57_26_13
Size: 2.4600 mg
Method: Hi-Res - Dynamic
Cometab: TP1335mha



BEST AVAILABLE COPY

[illegible]

BEST AVAILABLE COPY

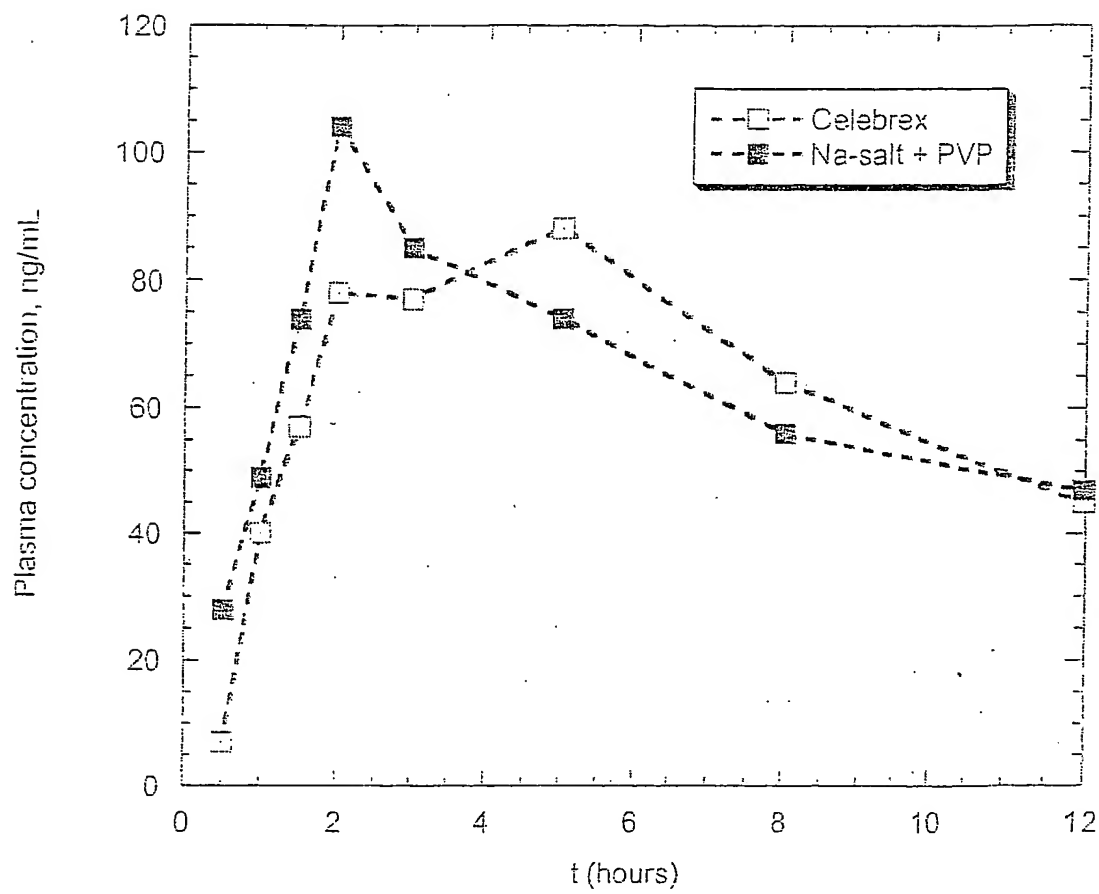


FIG. 4A

BEST AVAILABLE COPY

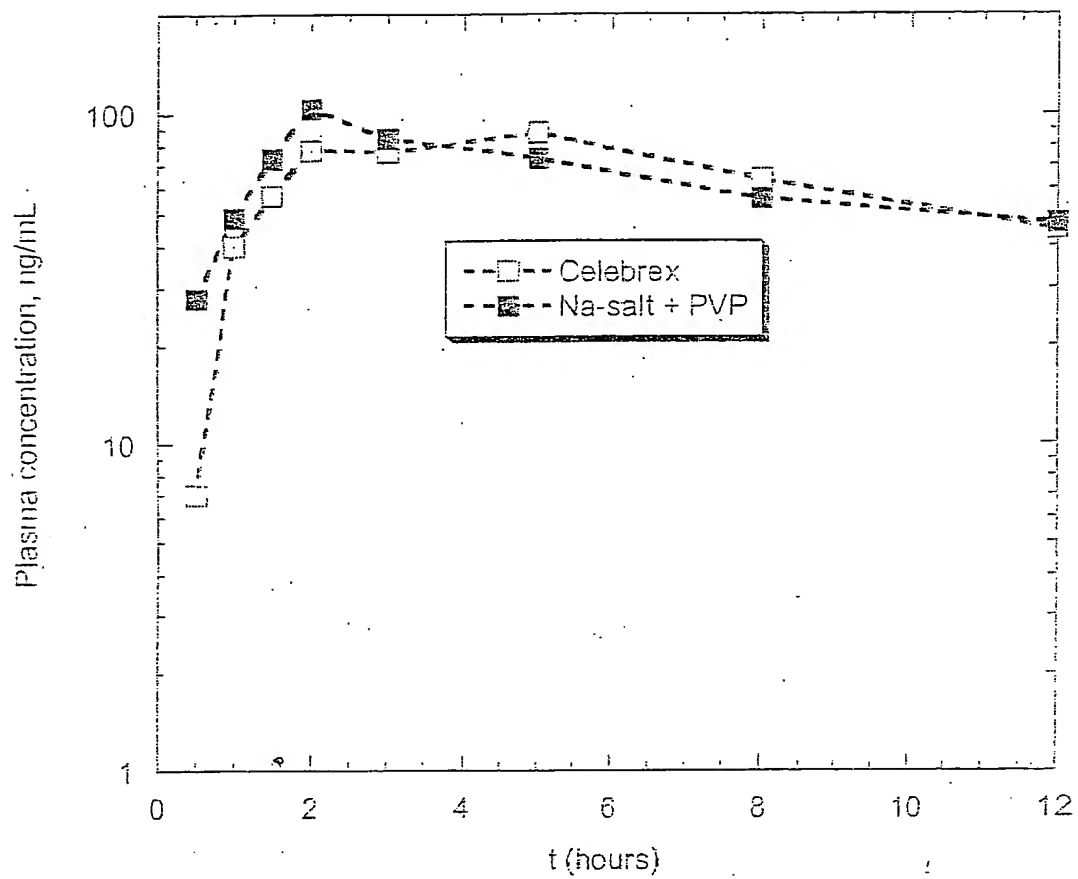


FIG. 4B

BEST AVAILABLE COPY

	Formulation	Dose Level (mg/kg)	C _{max} (ng/mL)	T _{max} (min)	AUC (0-∞) (ng·hr/mL)	T _{1/2} (hr)	Volume of Distribution at Steady State (mL/kg)	Clearance Rate (mL/hr·kg)	Bioavailability (%)
Mean	Celecoxib IV	1	718	NA	3808	8.21	2498	278	NA
SD		NA	91	NA	933	2.85	590	77	NA
Mean	Celecoxib PO	5.09	654	1.25	7663	9.3	NA	798	40.05
SD		0.050	199	0.88	3119	3.48	NA	317	15.45
Mean	Celecoxib Sodium PO	5.05	2142	0.75	16426	9.0	NA	323	85.80
SD		0.121	569	0.27	4150	2.71	NA	77	7.82

FIG. 5

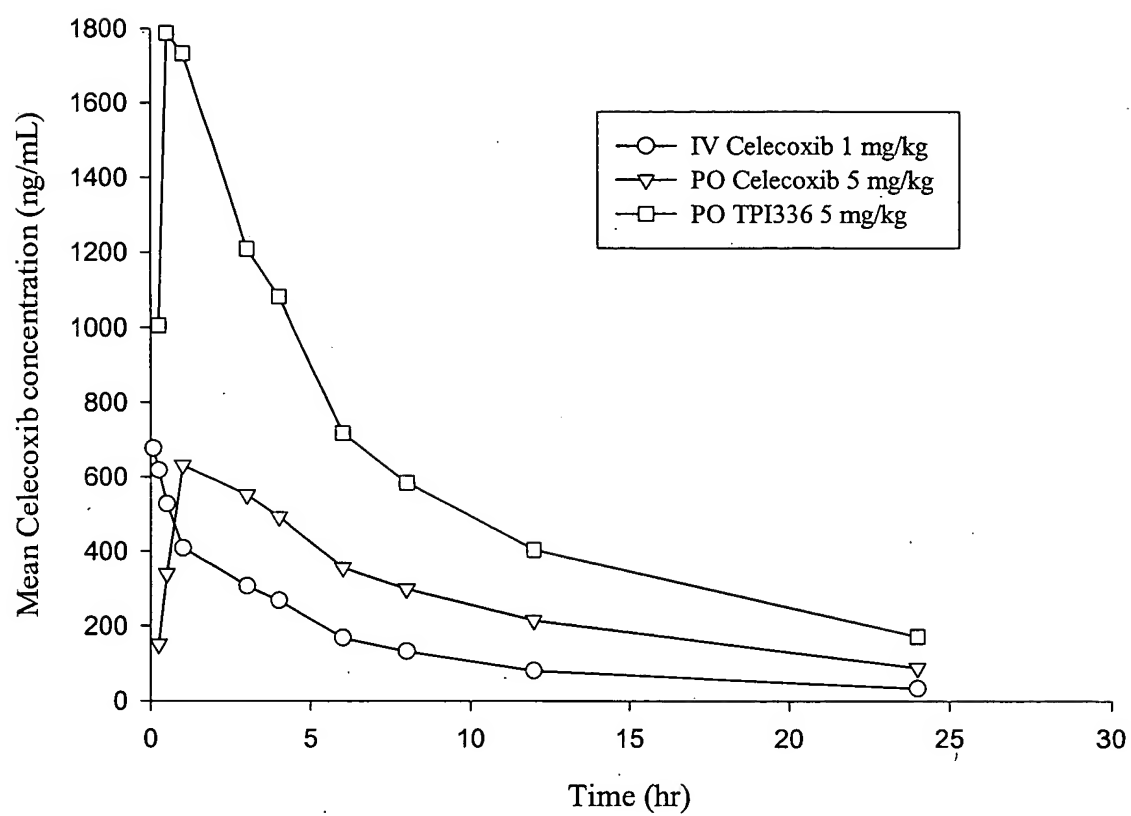
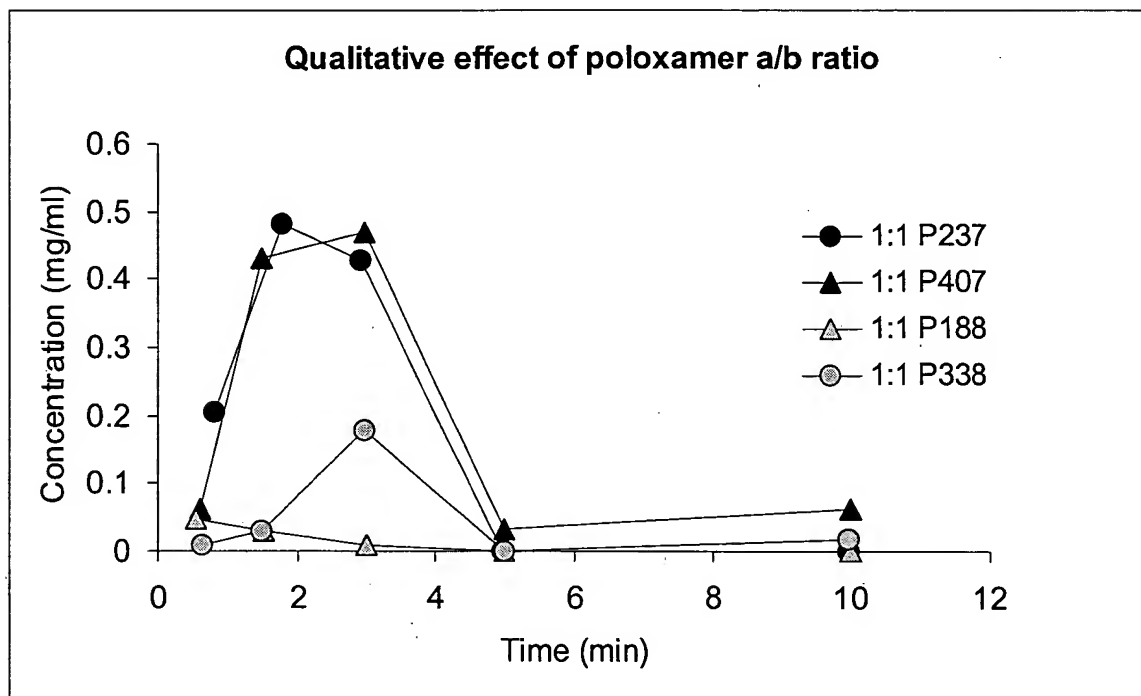


FIGURE 6



Poloxamer	Physical form	a	b	Average molecular weight	Percent a	Percent b	Ratio a/b
124	Liquid	12	20	2090-2360	0.38	0.63	0.60
188	Solid	80	27	7680-9510	0.75	0.25	2.96
		64	37	6840-8830			1.73
338	Solid	141	44	12 700-17 400	0.76	0.24	3.20
		101	56	9840-14 600			1.80

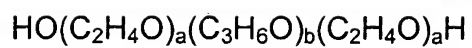


FIGURE 7

Effects of Celluloses on Dissolution of 1/1 Vitamin E TPGS/TPI-336-Na at Room Temperature

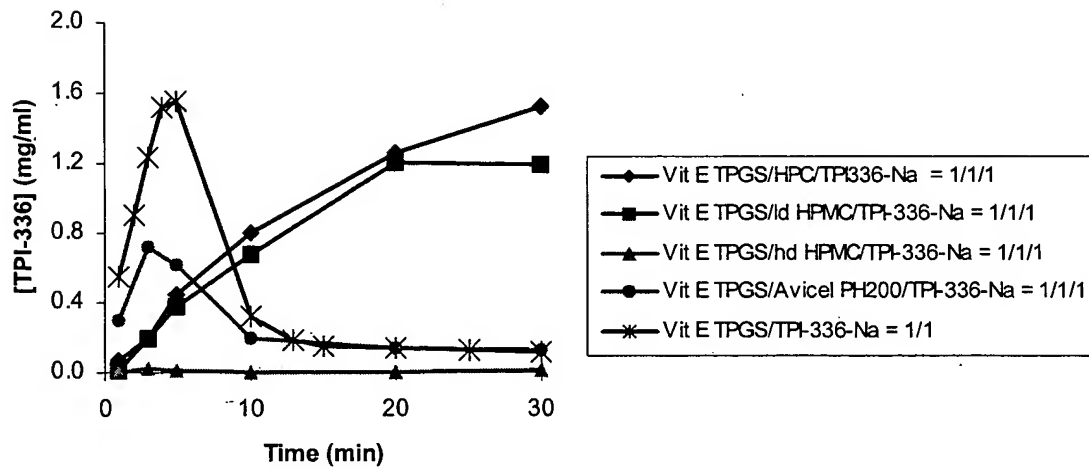


FIGURE 8

Dissolution Test at 37C for Various Ratio of Vitamin E TPGS : HP-Cellulose : TPI336 Na

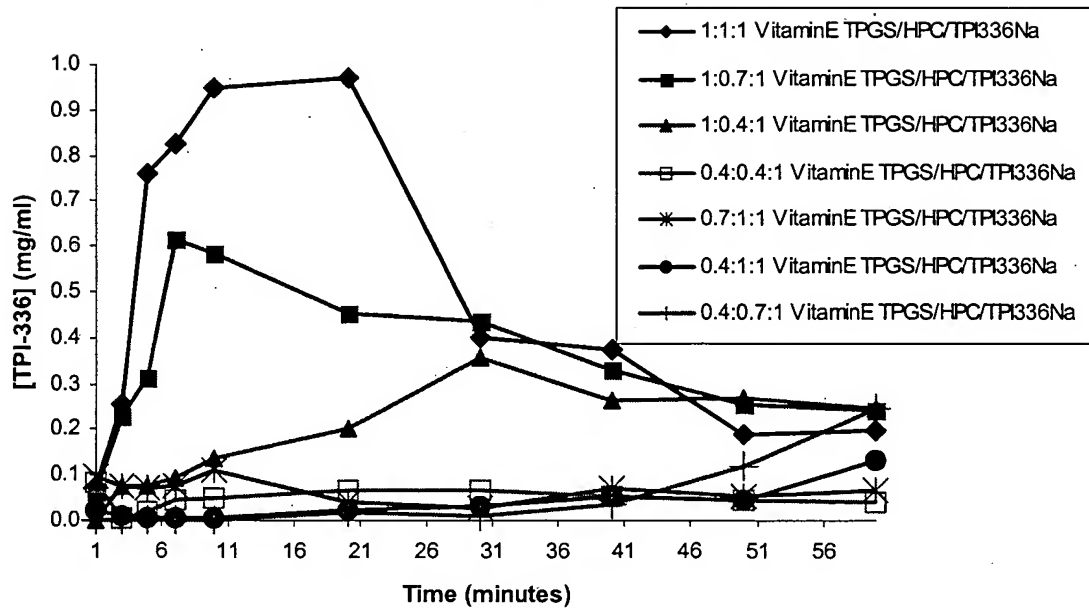


FIGURE 9

Dissolution profile of TPI-336-Na in SGF from solid mixtures with excipients at room temperature

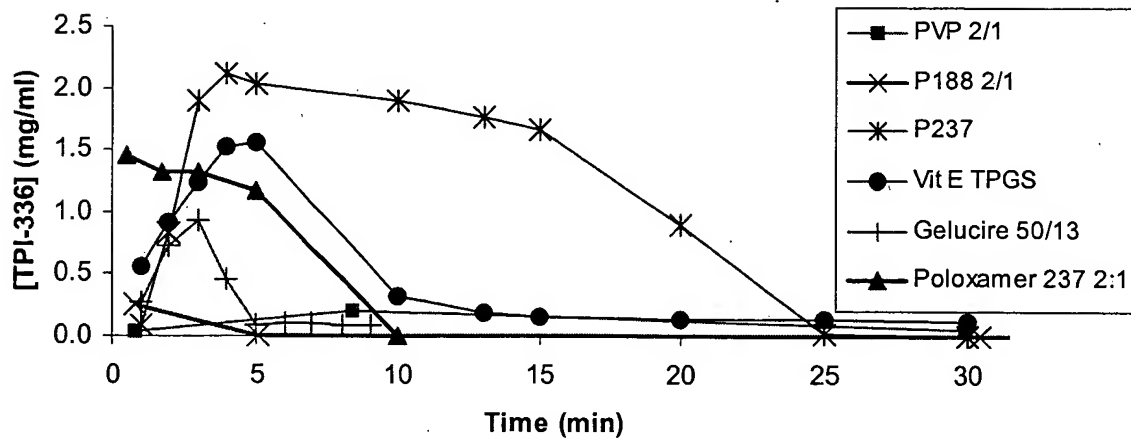


FIGURE 10

Effect of Avicel and Silica Gel on the dissolution of TPI336Na/Vit E TPGS/HPC mixtures in SGF at 37C

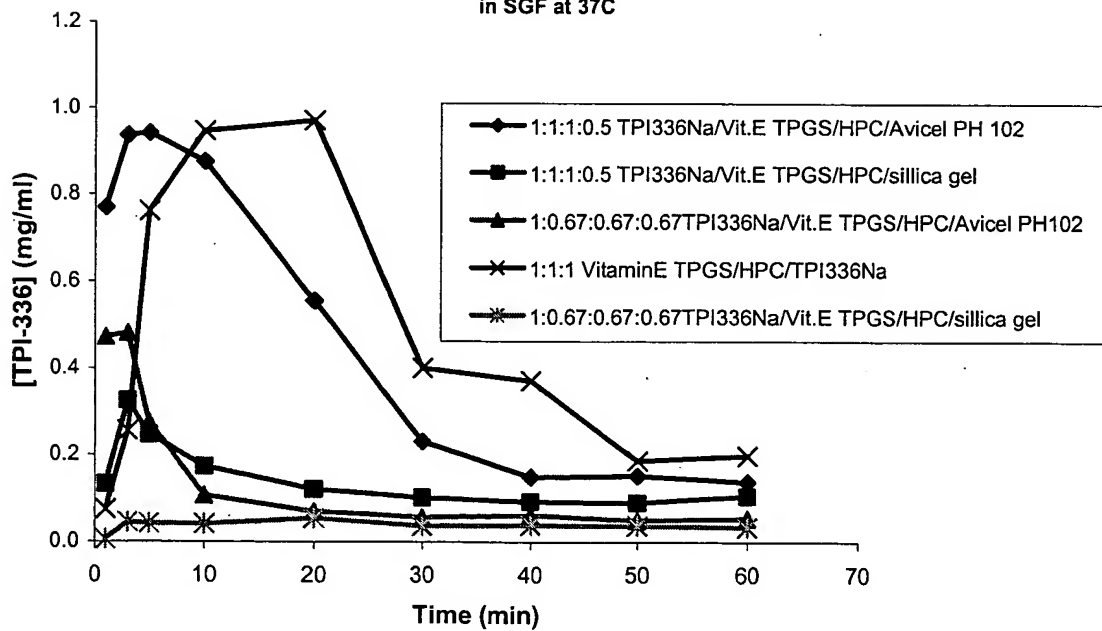


FIGURE 11

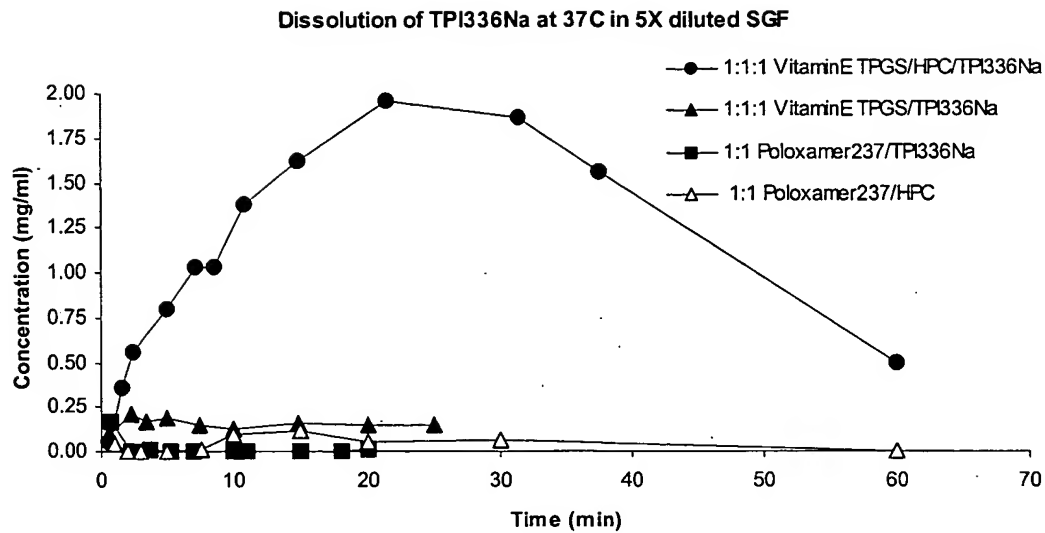


FIGURE 12

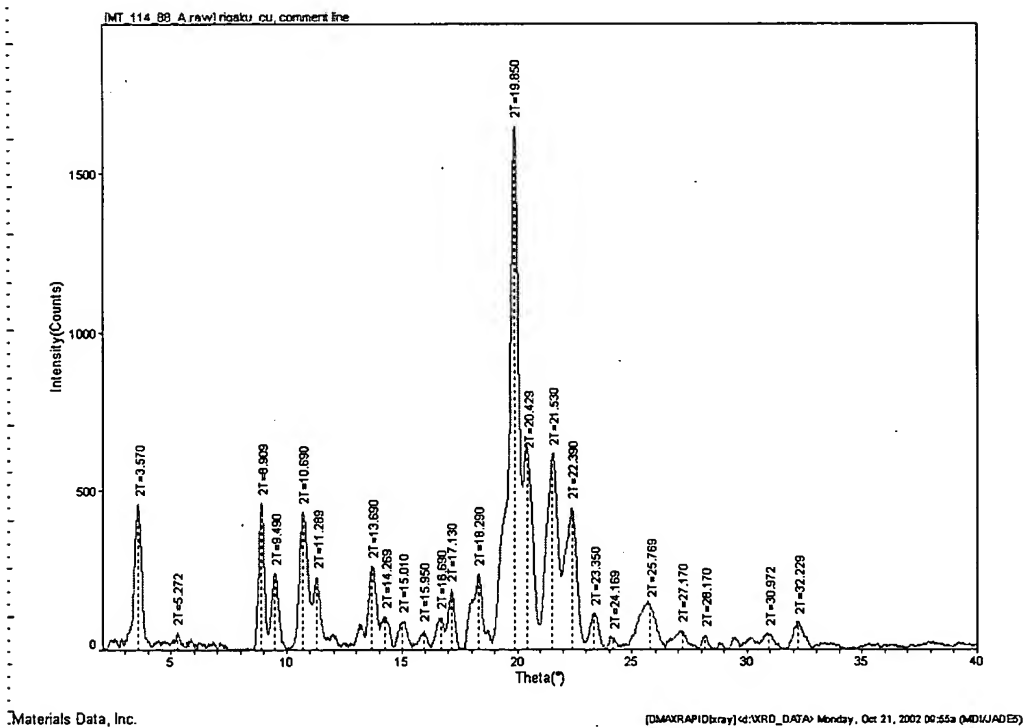


FIGURE 13A

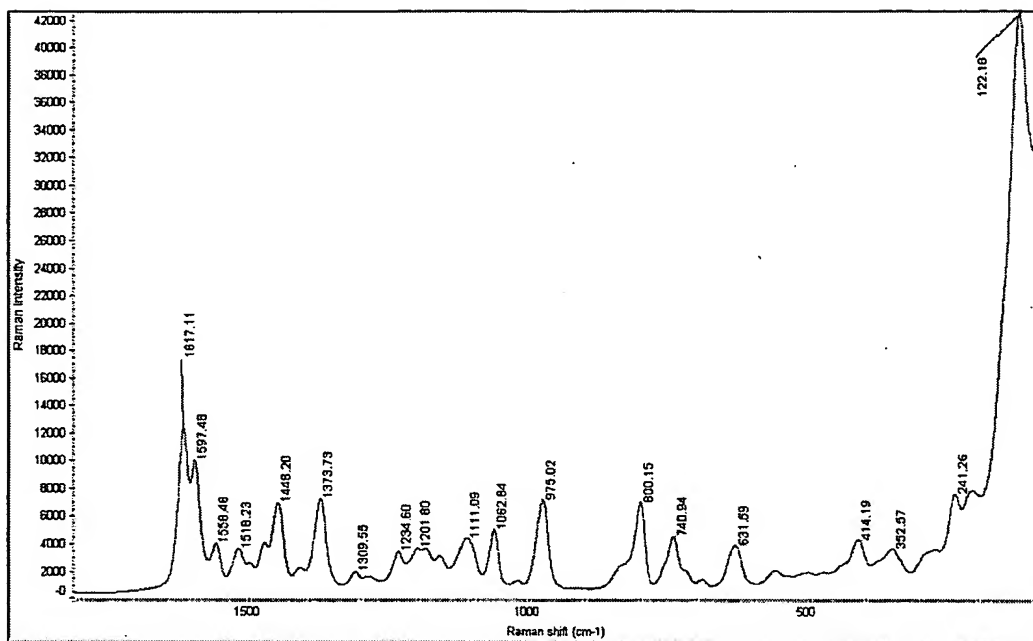


Figure 13B

Sample: mo-116-49b-celecoxib-LiOH
 Size: 1.5600 mg
 Method: Ramp

DSC

File: \\...\\mo-116-49b_celecoxib-LiOH_inN2.001
 Operator: MAO
 Run Date: 06-Dec-02 11:28

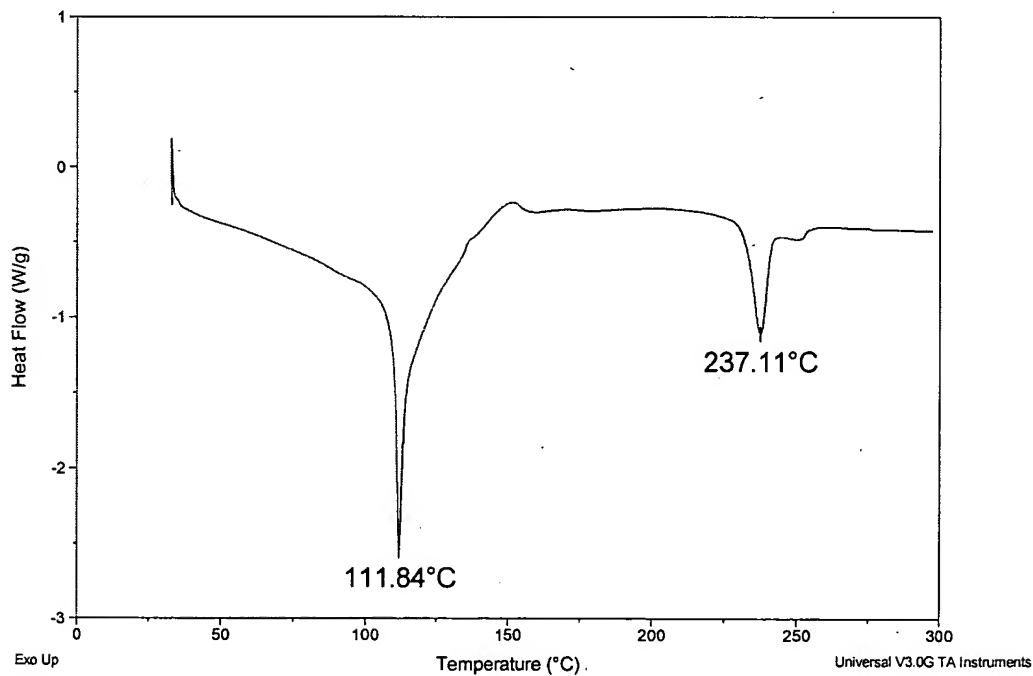


FIGURE 14

Sample: MO-116-49b_celecoxib-Li
Size: 8.2290 mg
Method: Ramp

TGA

File: \\...MarkO\mo-116-49b_celecoxib-Li.001
Operator: MAO
Run Date: 06-Dec-02 16:36

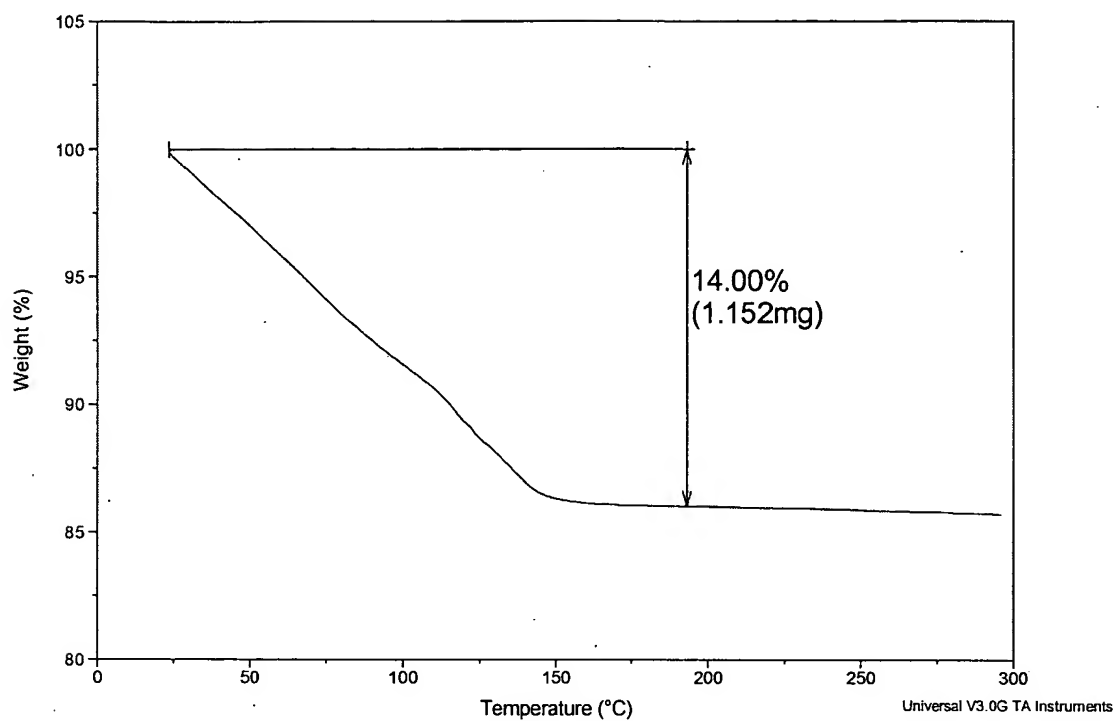


FIGURE 15

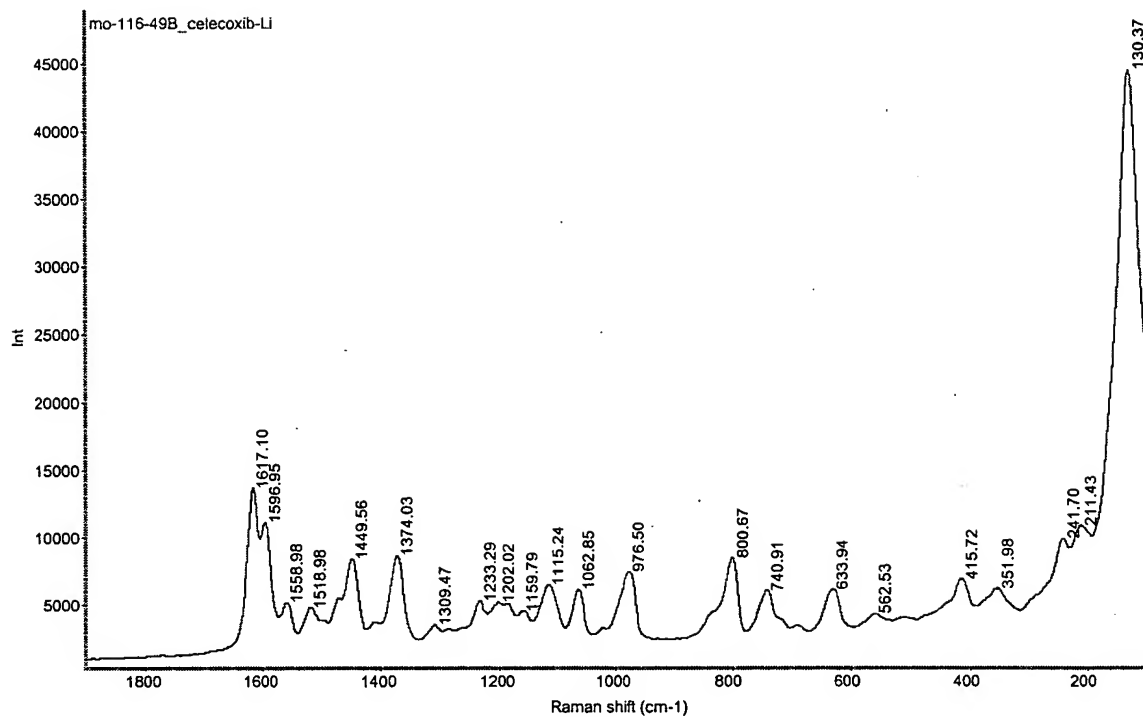


FIGURE 16

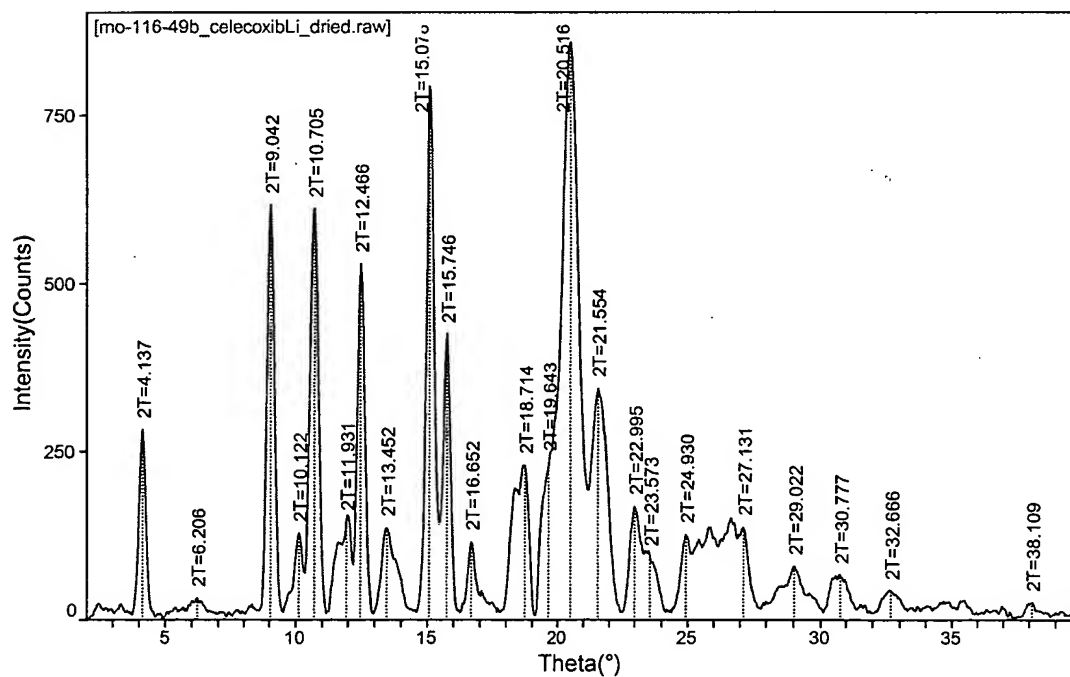


FIGURE 17

Sample: mo-116-49a-celecoxib-KOH
Size: 1.1190 mg
Method: Ramp

DSC

File: \\...mo-116-49a_celecoxib-KOH_inN2.001
Operator: MAO
Run Date: 06-Dec-02 10:55

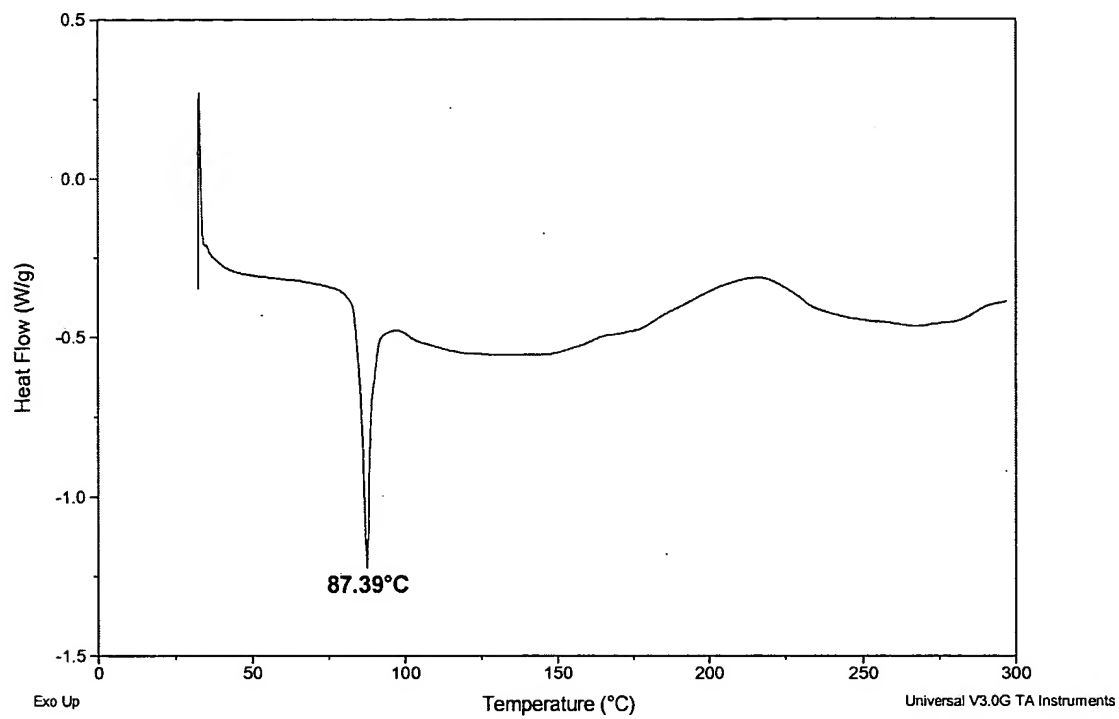


FIGURE 18

Sample: MO-116-49a_celecoxib-K
Size: 5.9890 mg
Method: Stepwise isothermal

TGA

File: \\...\\MarkOlmo-116-49a_celecoxib-K.001
Operator: MAO
Run Date: 06-Dec-02 11:35

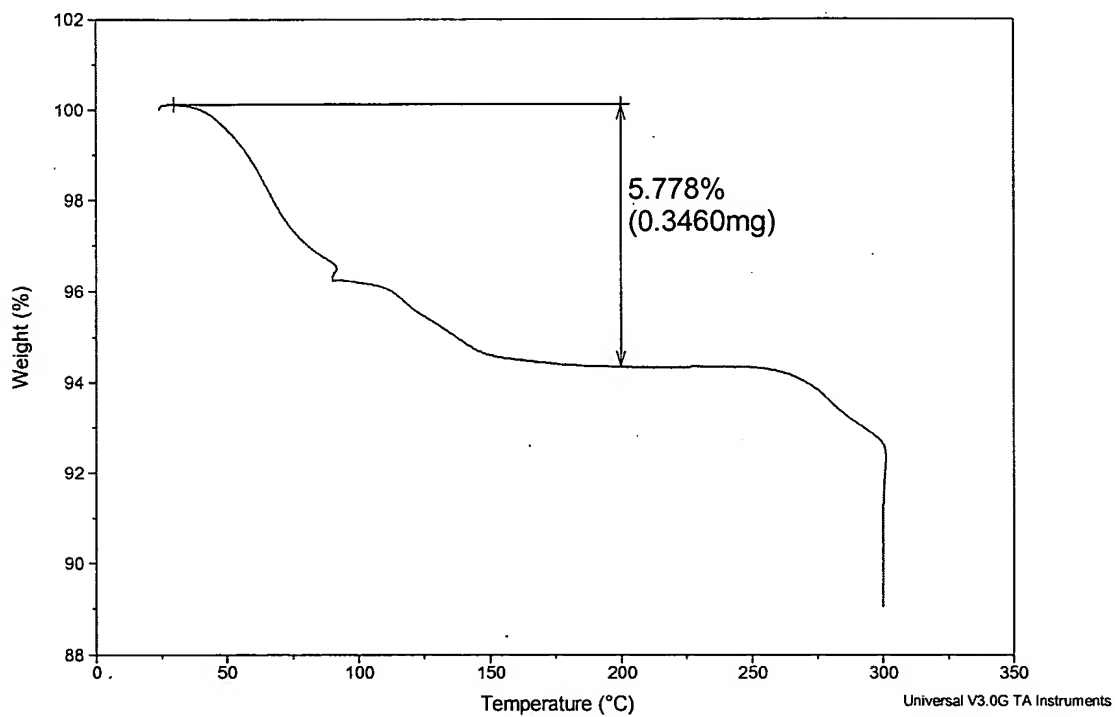


FIGURE 19

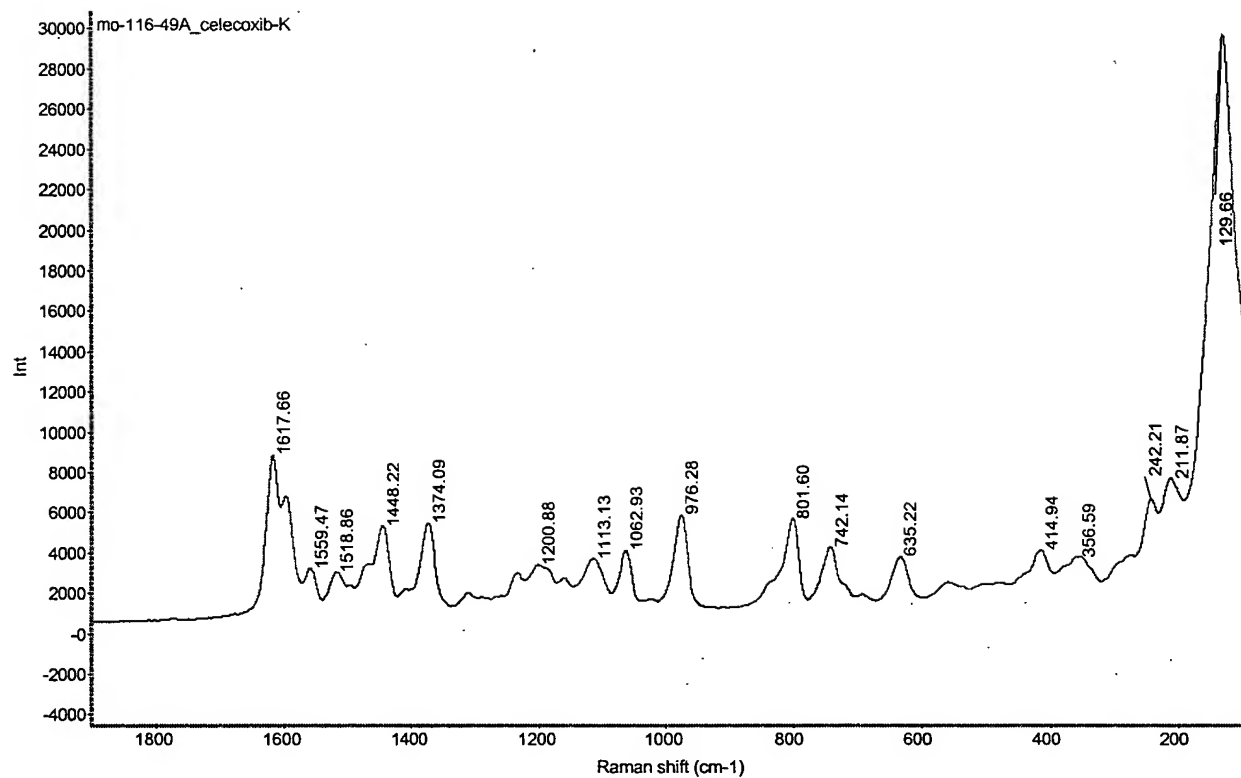


FIGURE 20

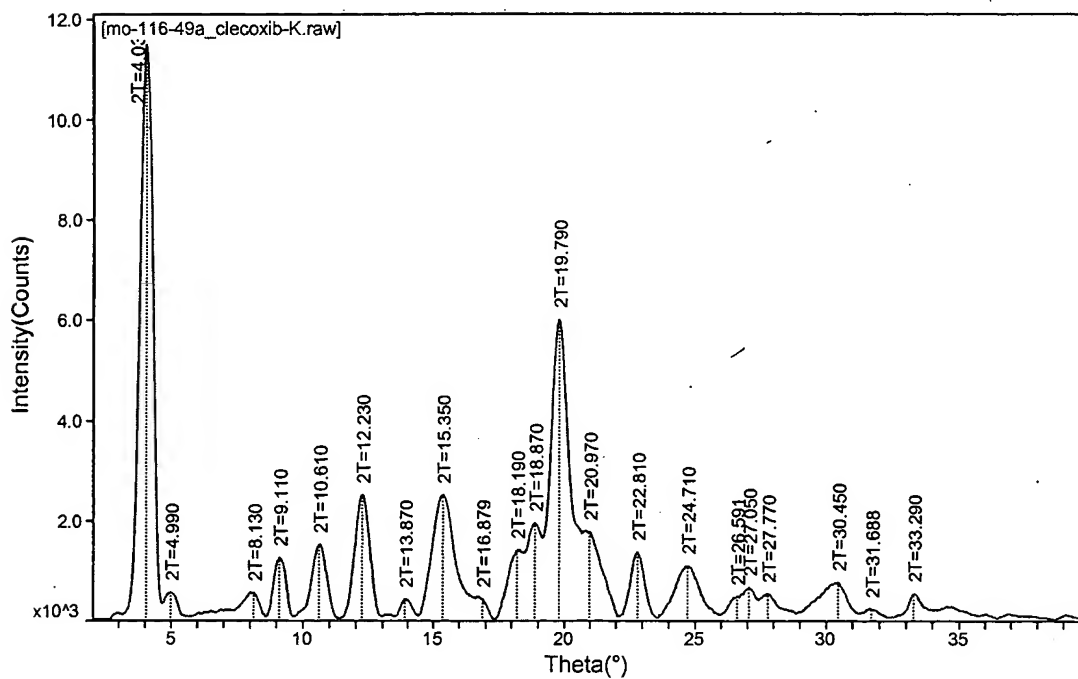


FIGURE 21

Sample: MO-116-55D_celecoxib-K

Size: 5.4470 mg

Method: Ramp

Comment: Residue from bottom phase, dried in nitrogen for 2 days

TGA

File: mo-116-55D_celecoxibK_bottom phase re...

Operator: MAO

Run Date: 13-Dec-02 11:50

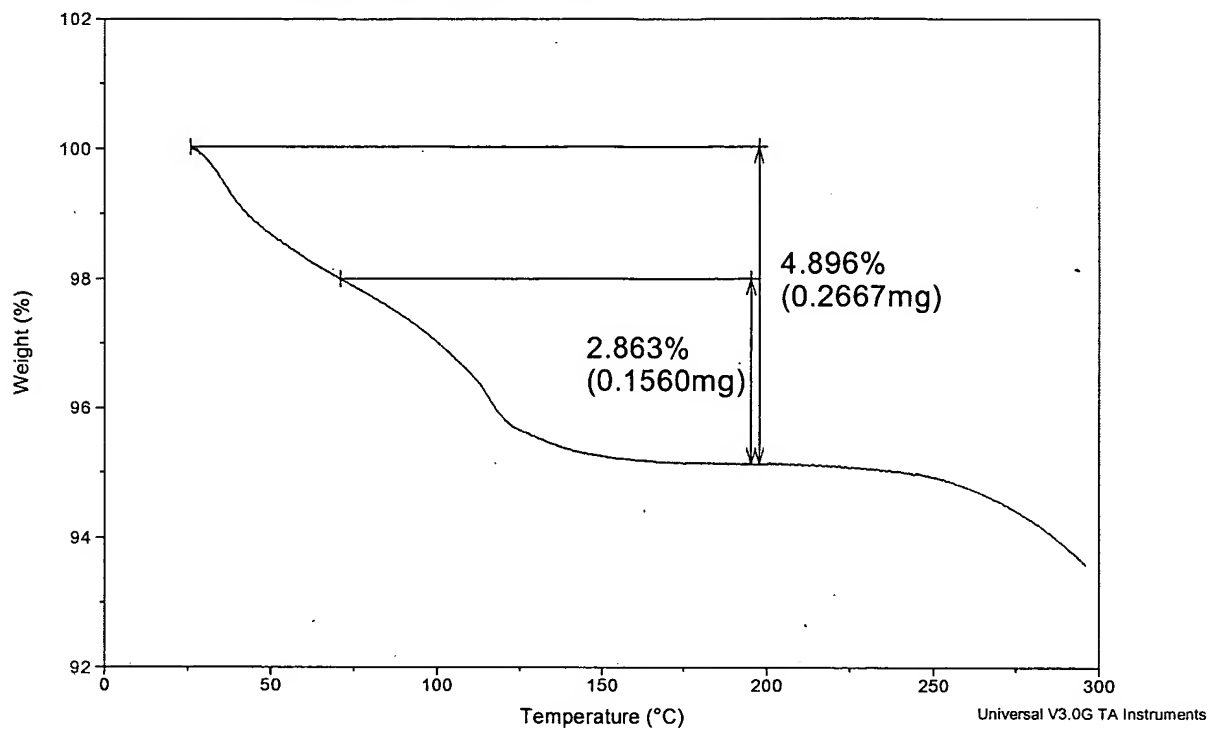


FIGURE 22

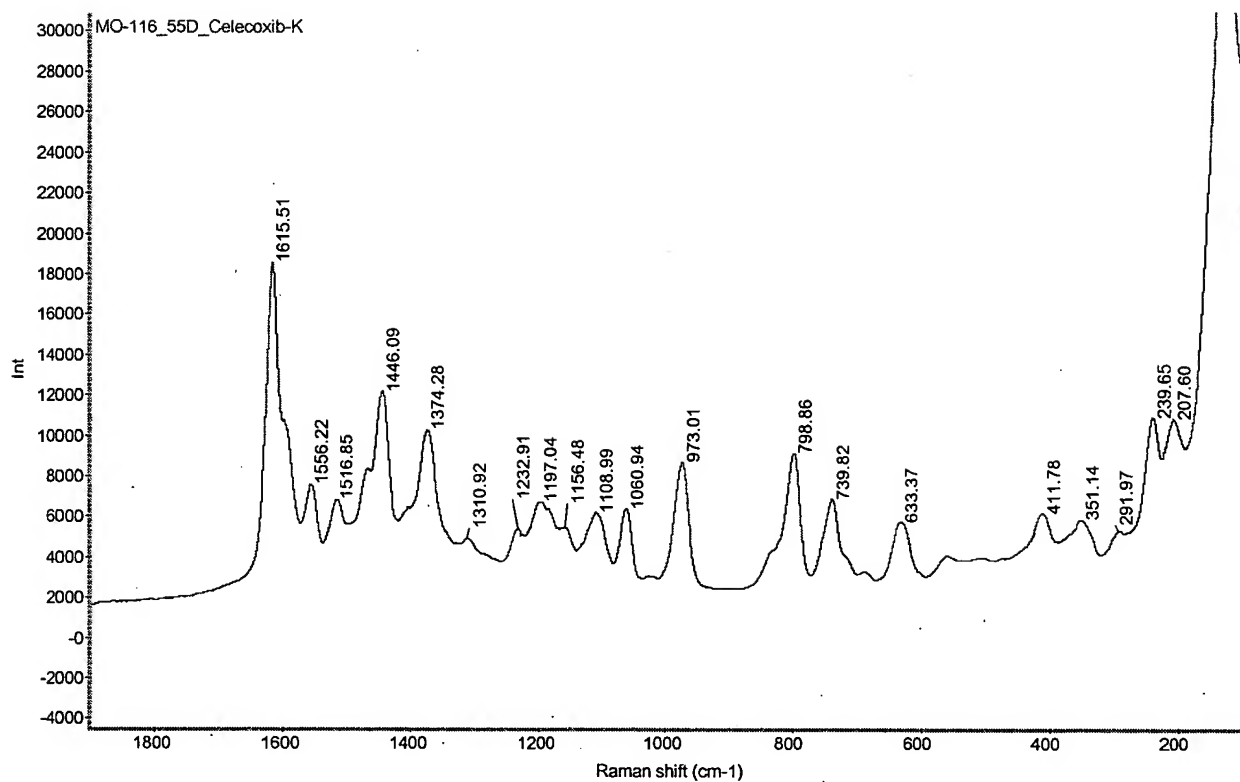


FIGURE 23

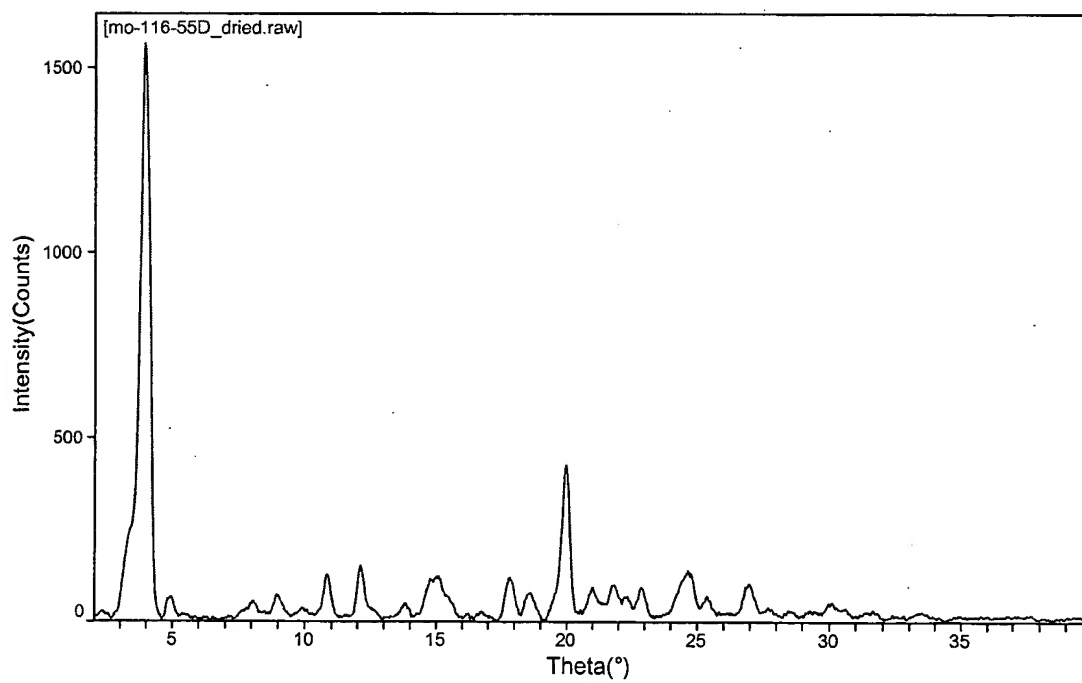


FIGURE 24

Sample: celecoxib-Ca_dried
Size: 3.4140 mg
Method: Ramp
Comment: dried in N2 overnight

TGA

File: V:\mo-11-62A_celecoxib-Ca.003
Operator: MAO
Run Date: 18-Dec-02 11:26

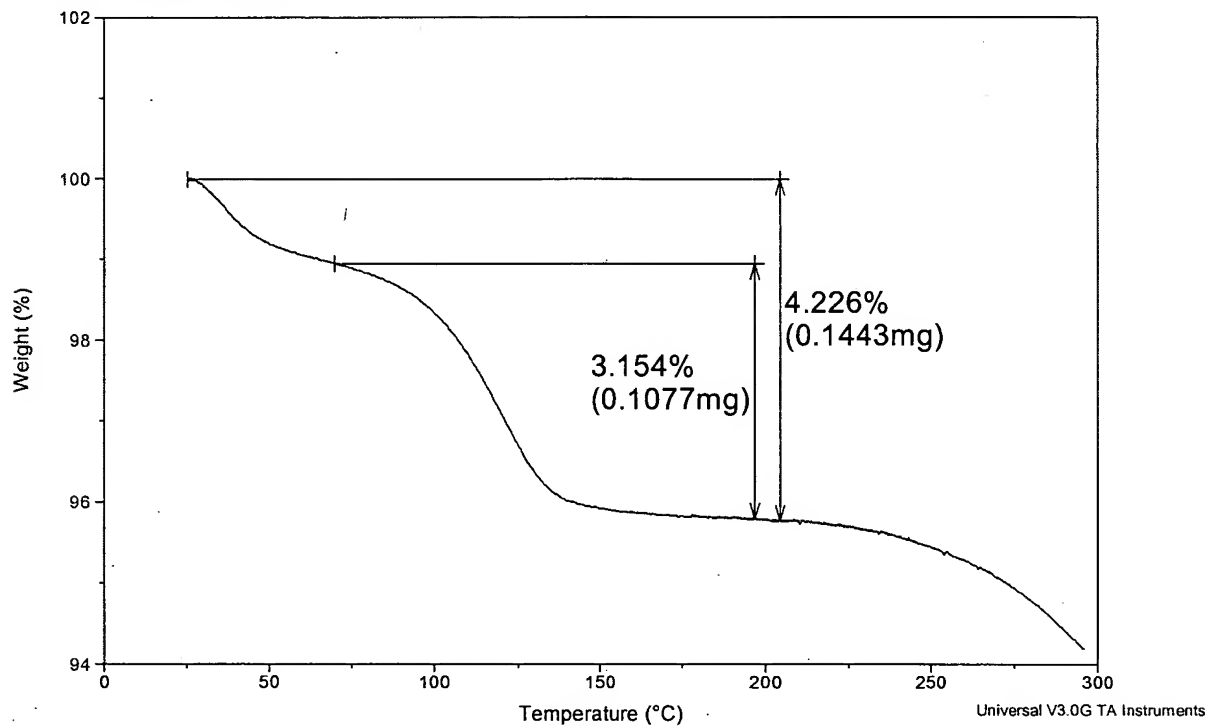


FIGURE 25

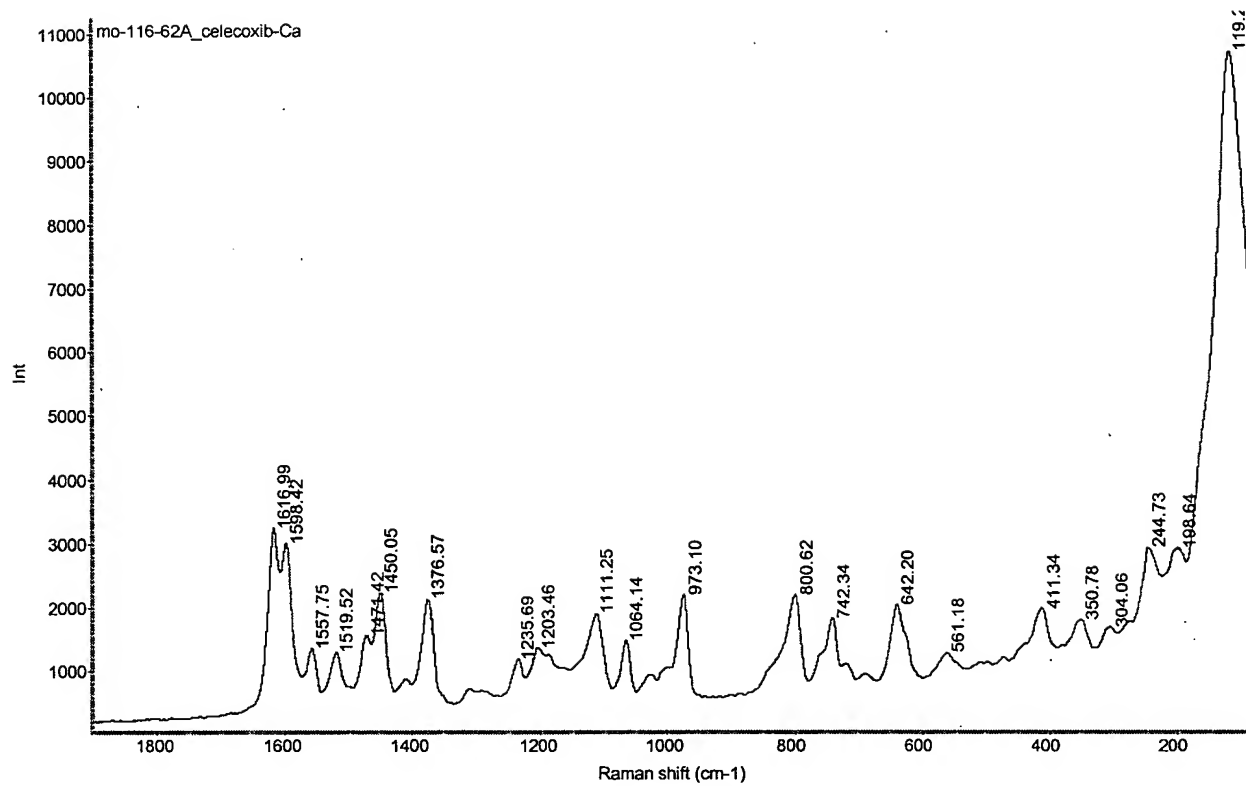


FIGURE 26

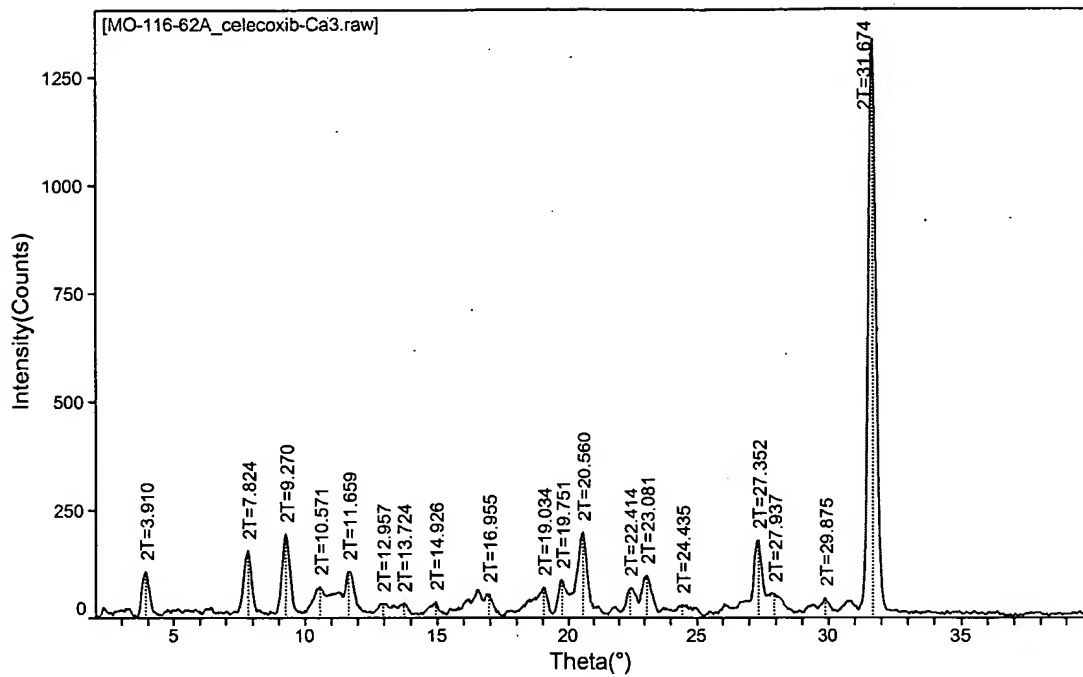


FIGURE 27

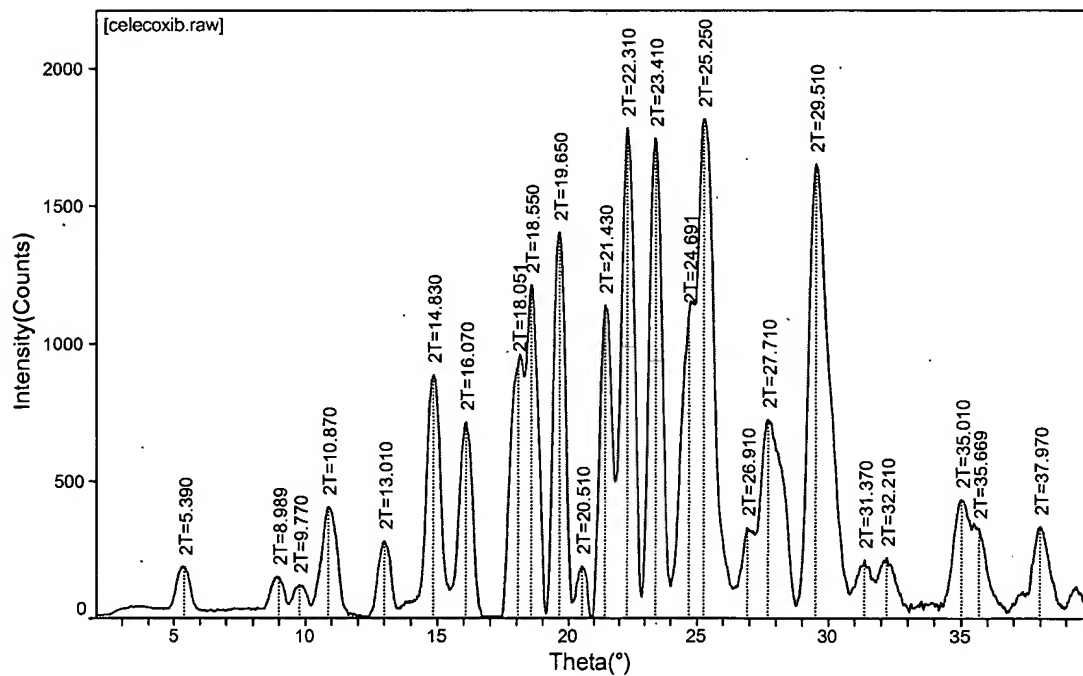


FIGURE 28

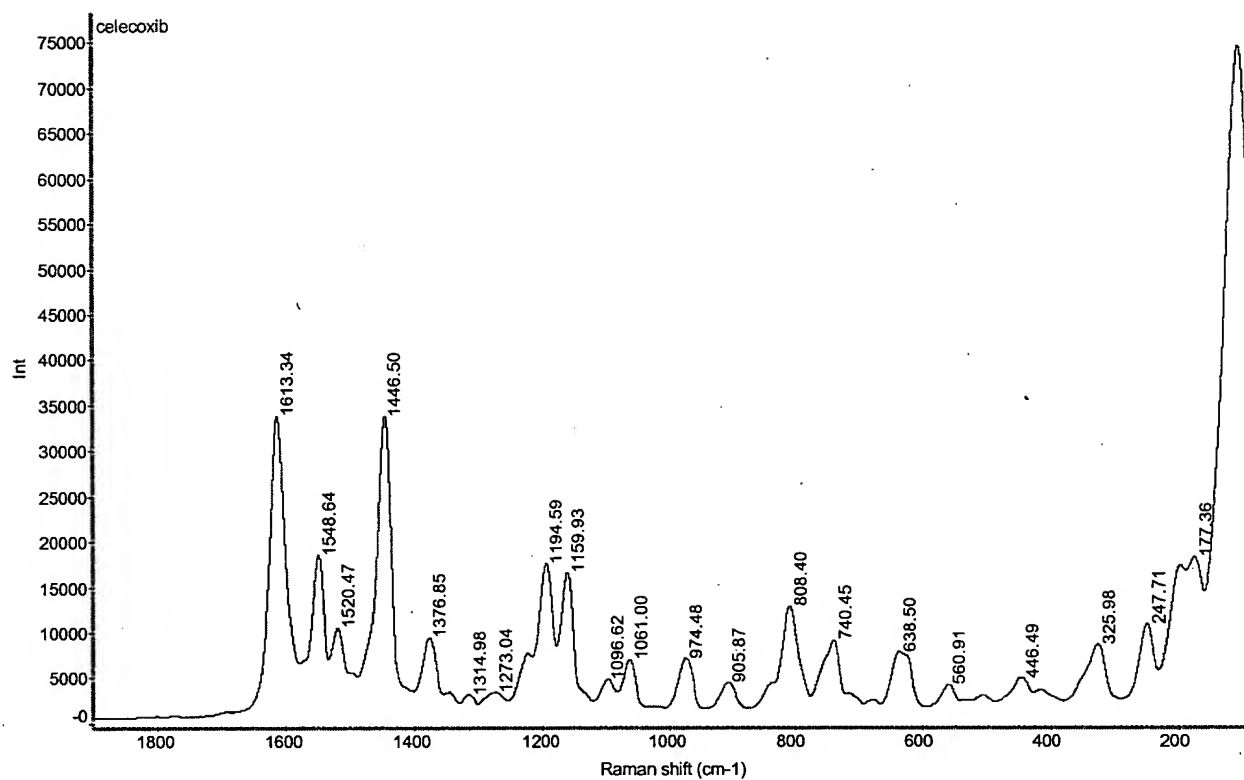


FIGURE 29

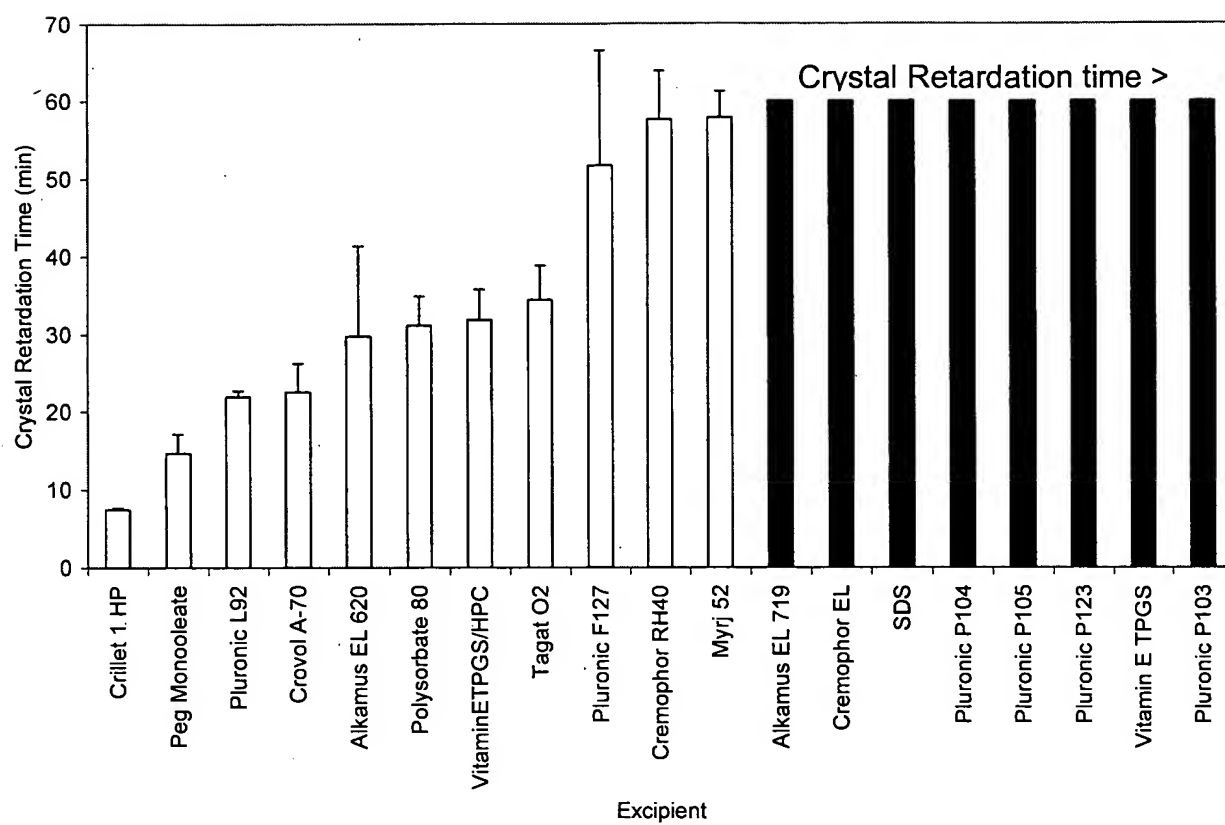


FIGURE 30

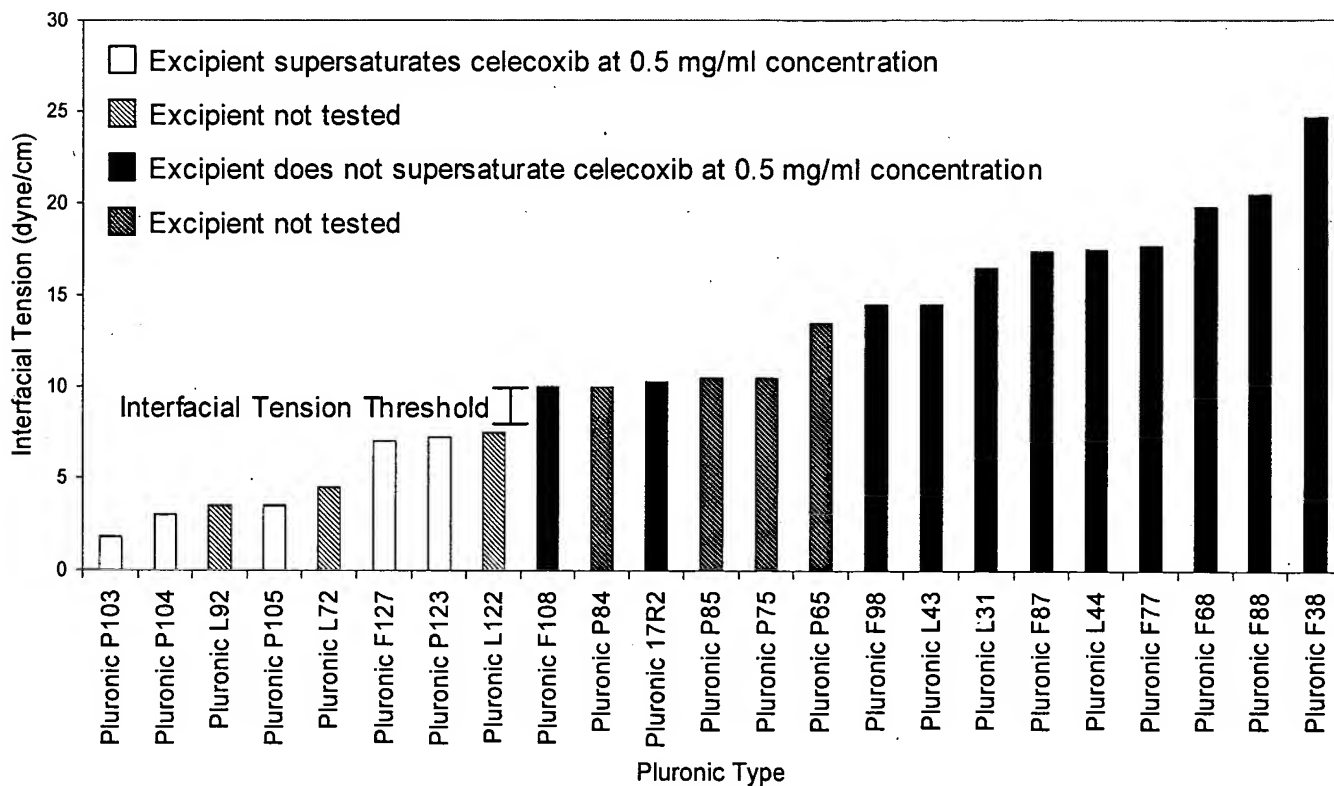


Figure 31

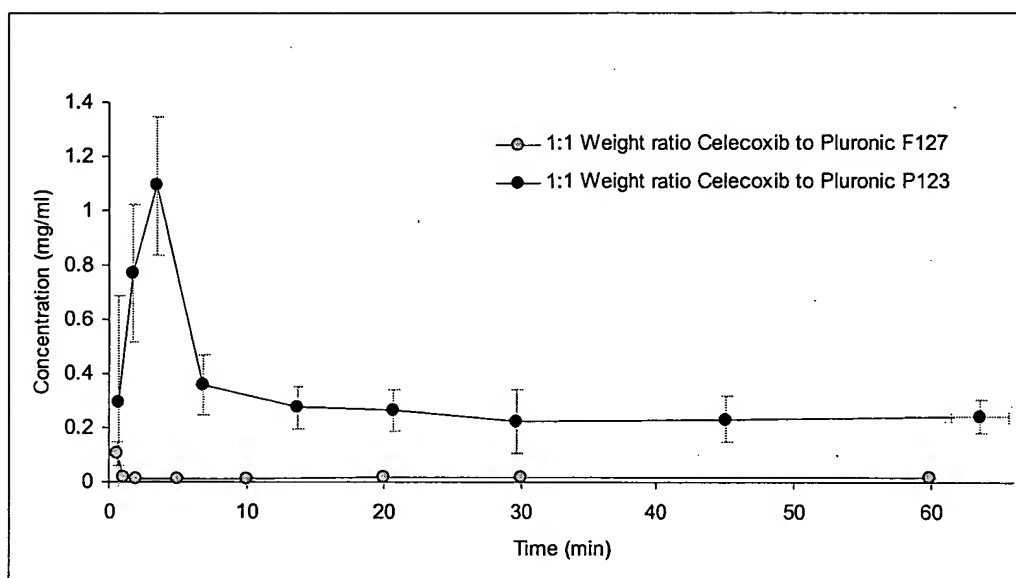


Figure 32

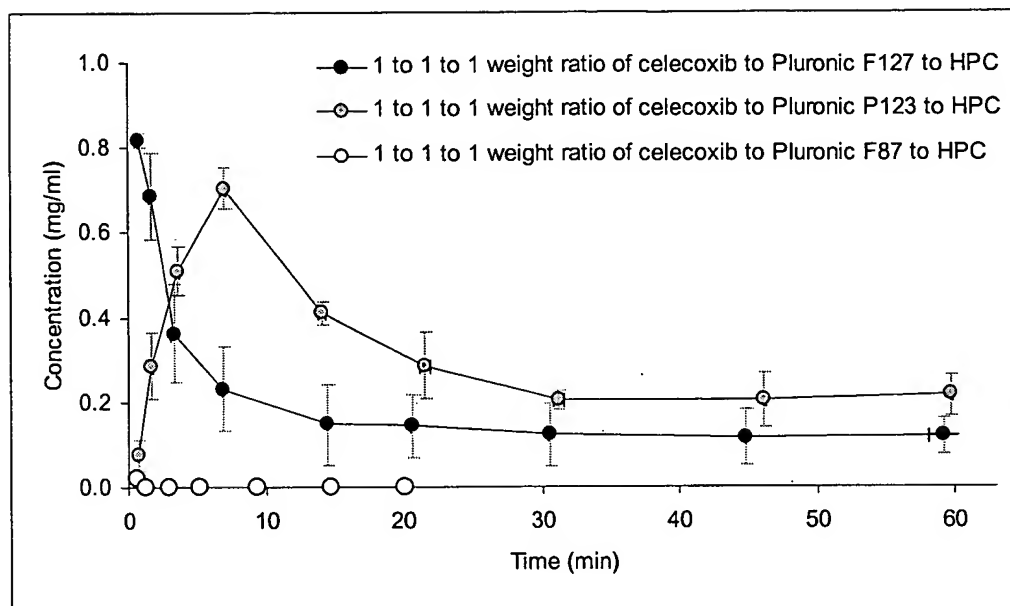


Figure 33

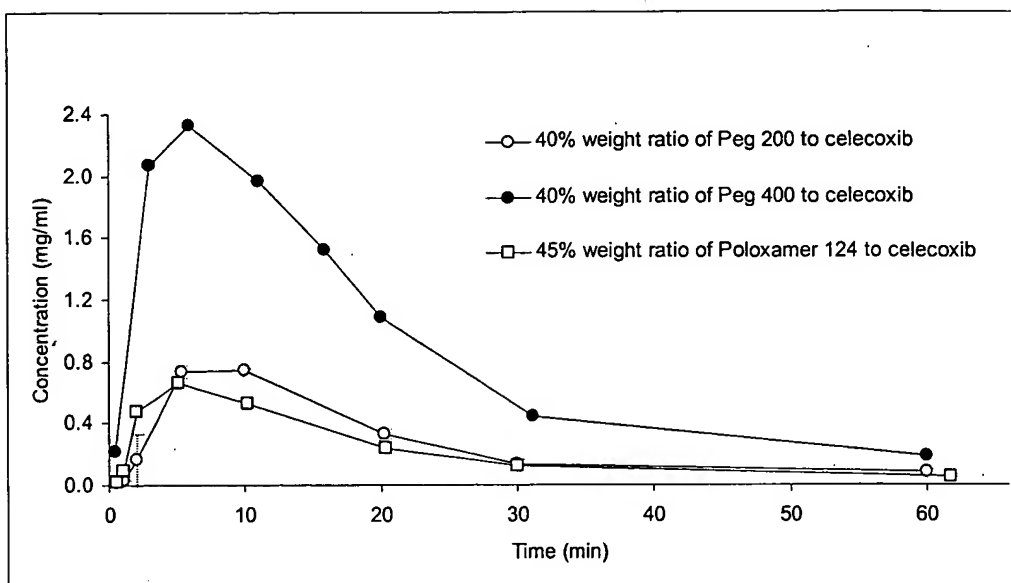


Figure 34

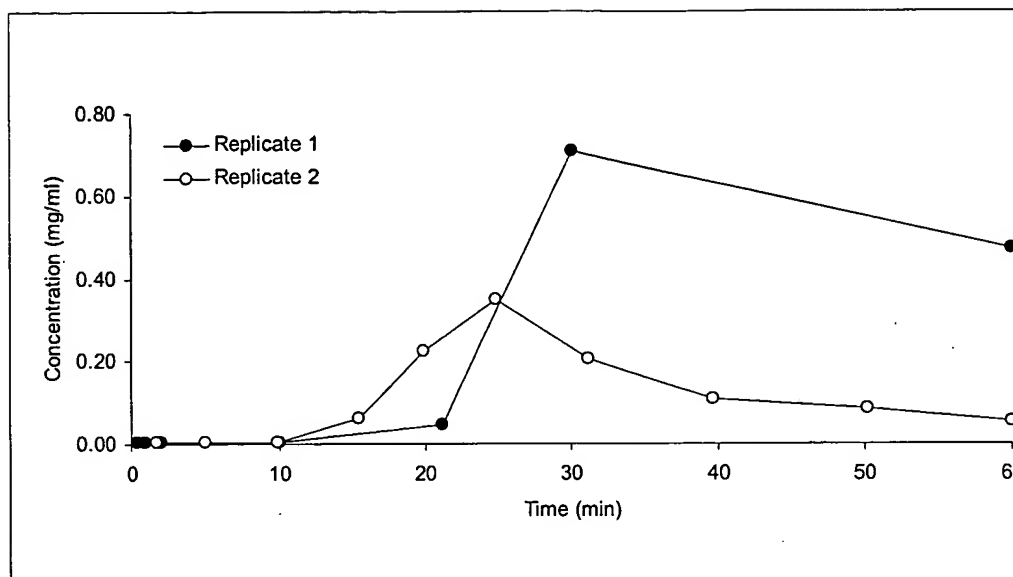


Figure 35

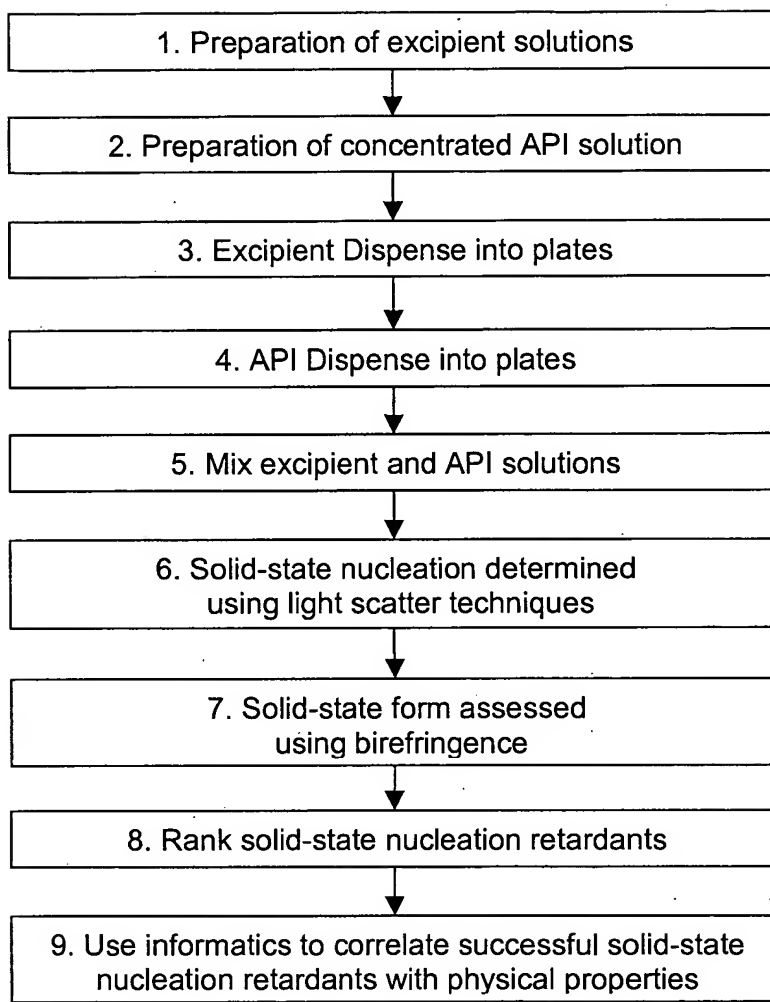


Figure 36

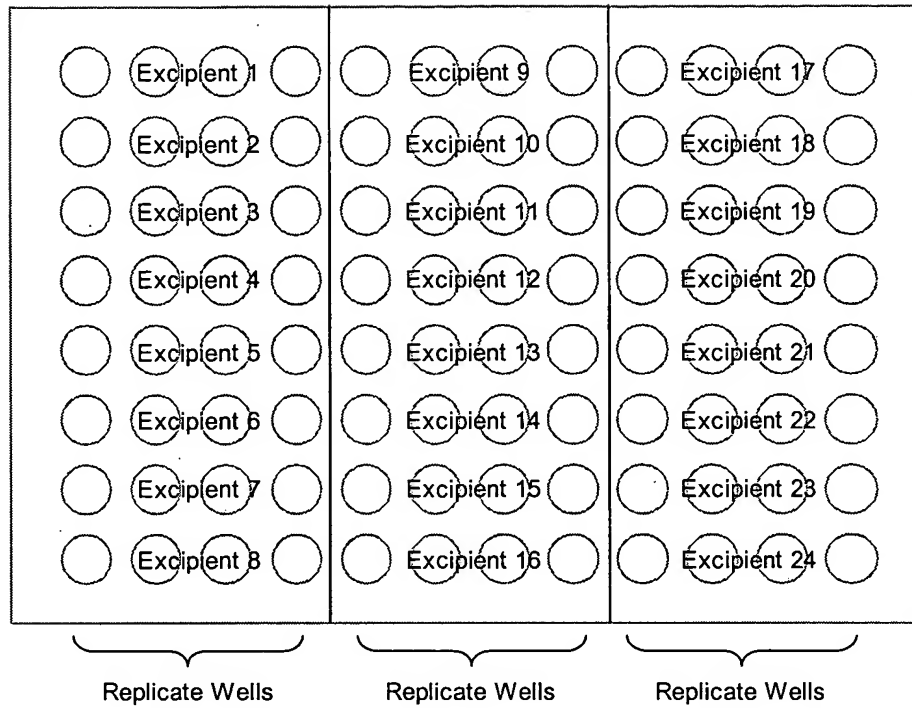


Figure 37

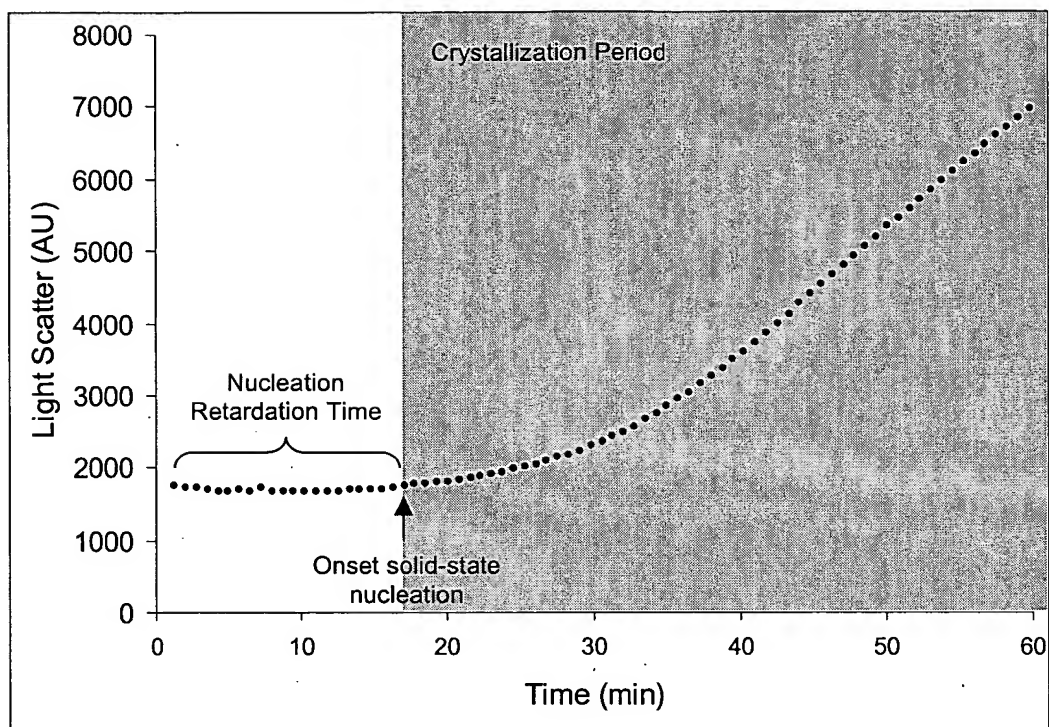


Figure 38

Sample: Celecoxib Na pg from Et2O
Size: 3.0430 mg
Method: Ramp

TGA

File: MT_114_118_A; Celecoxib Na pg
Operator: MDT
Run Date: 26-Nov-02 19:30
Instrument: TGA Q500 V4.7 Build 151

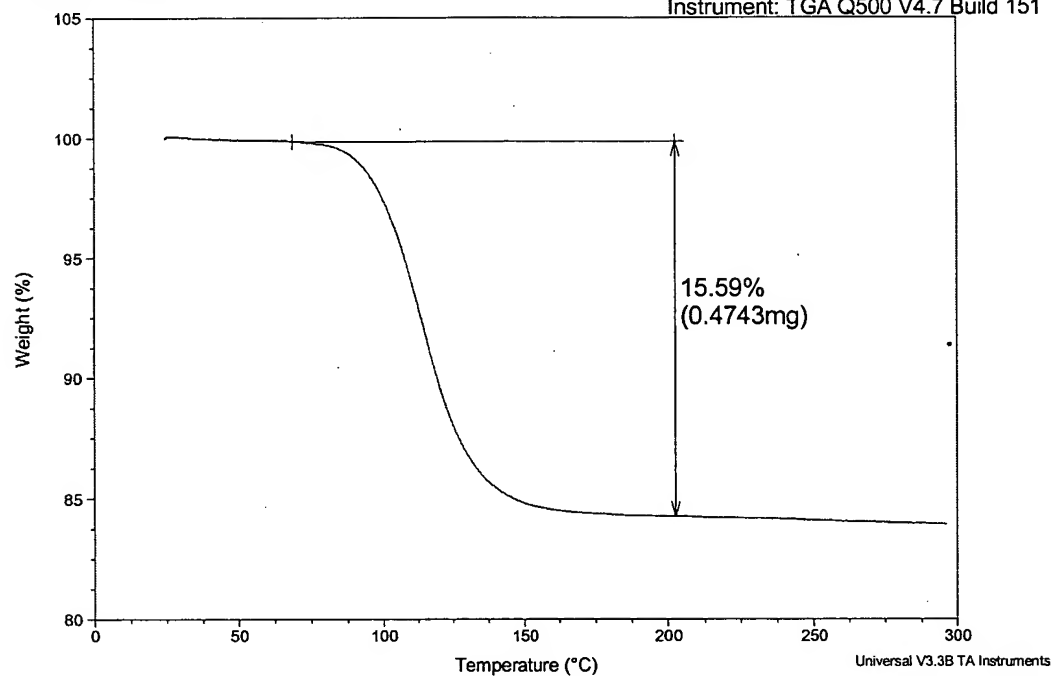


FIGURE 39

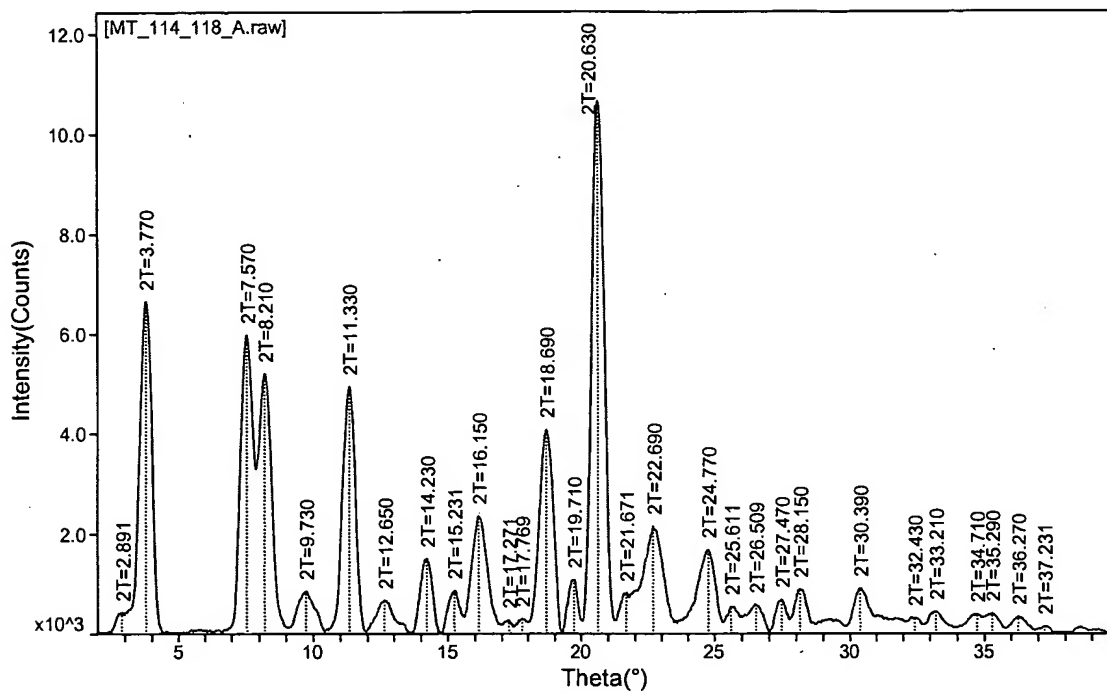


FIGURE 40

Sample: MT_114_139_C; Celecoxib K pg
Size: 5.5520 mg
Method: Ramp
Comment: from Et2O

TGA

File: \\...ITA\Data\TGA\MTawa\MT_114_139_C.001
Operator: MDT
Run Date: 20-Dec-02 14:19
Instrument: TGA Q500 V4.7 Build 151

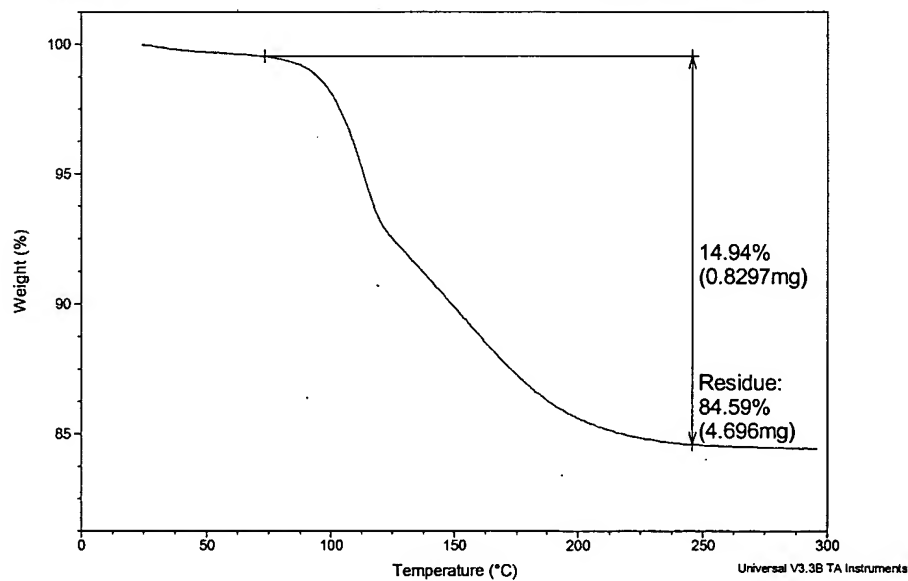


FIGURE 41

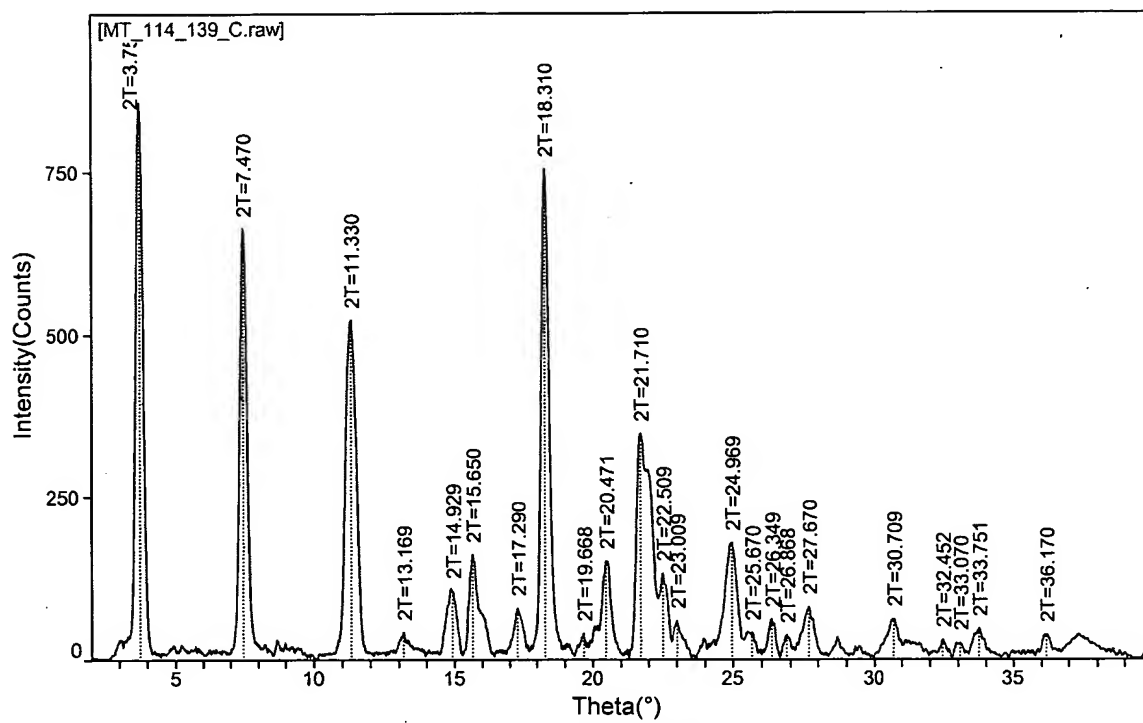


FIGURE 42

Sample: Celecoxib LI pg
Size: 3.4520 mg
Method: Ramp
Comment: from Et2O with tBuLi

TGA

File: \\...\\TA\\Data\\TGA\\MTawa\\MT_114_141_A.001
Operator: MDT
Run Date: 23-Dec-02 15:39
Instrument: TGA Q500 V4.7 Build 151

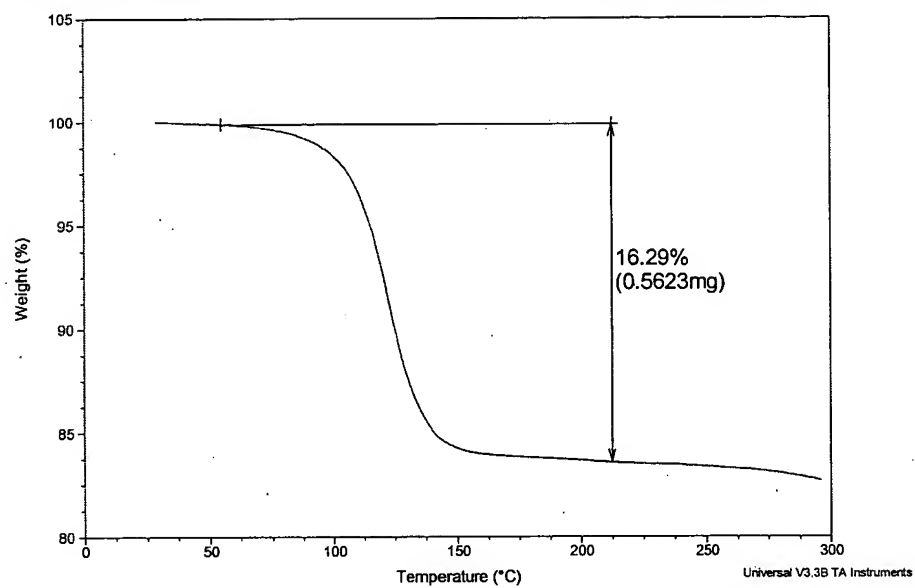


FIGURE 43

Sample: MT_114_120_B
Size: 2.1070 mg
Method: Ramp
Component: CellNa PG at 25/60

File: \\...MT_114_120_B; CellNaPG at 2
Operator: MDT
Run Date: 02-Dec-02 11:24
Instrument: TGA Q500 V4.7 Build 151

TGA

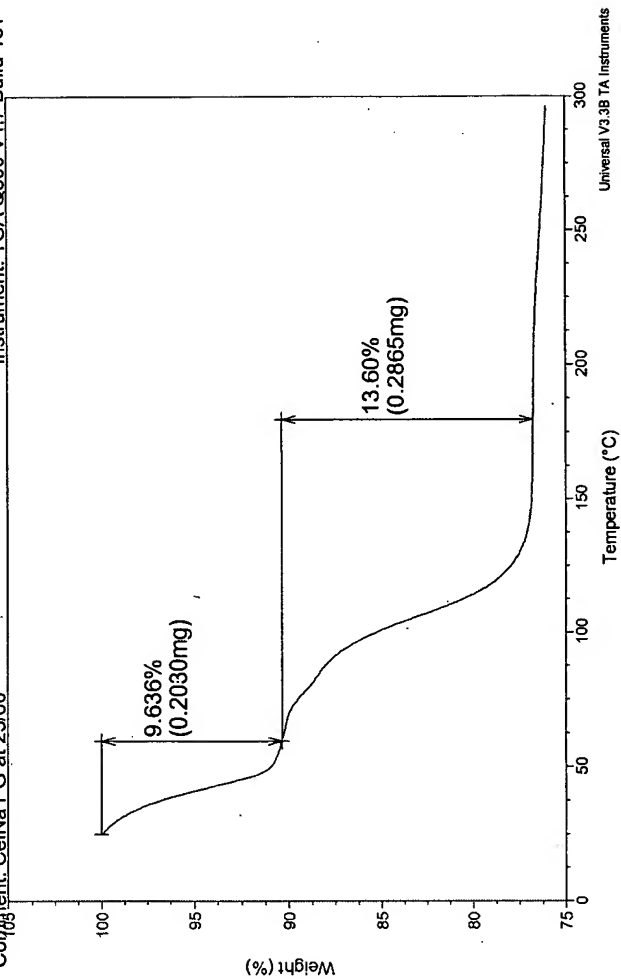


FIGURE 44

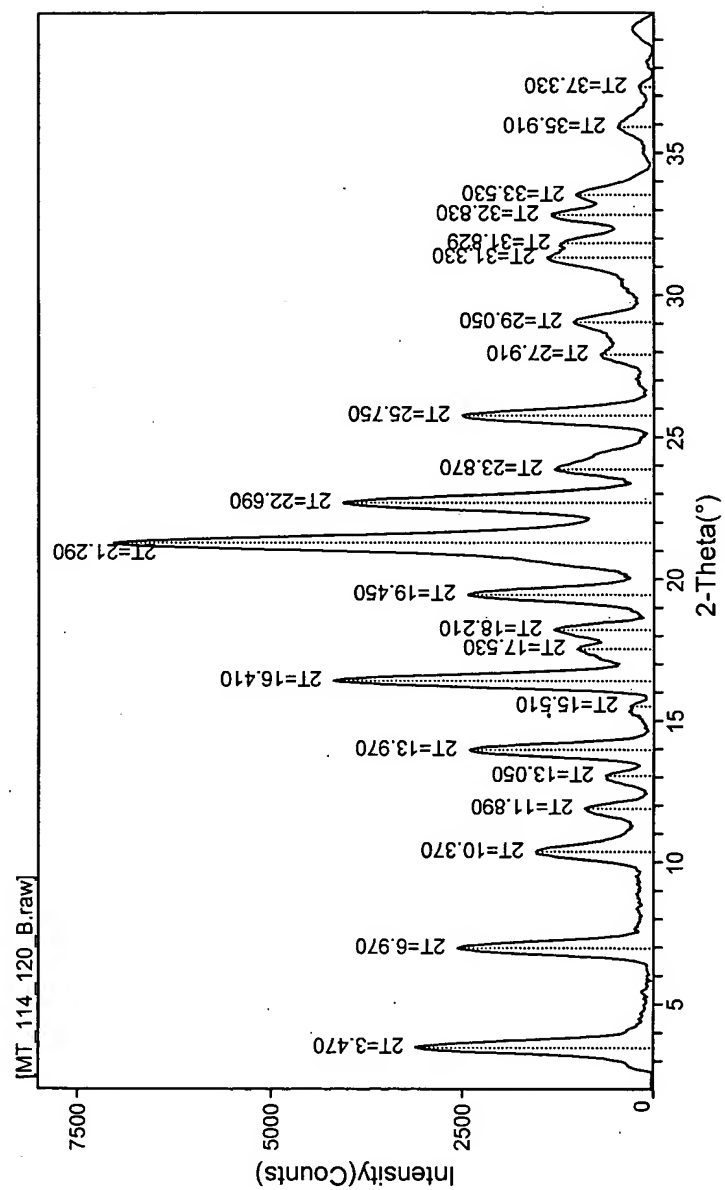


FIGURE 45

File: \\...MT_143_57_A; Celecoxib Na PG.001
Operator: MDT
Run Date: 09-Apr-03 10:31
Instrument: TGA Q500 V4.7 Build 151

TGA

Sample: Celecoxib Na PG
Size: 1.3840 mg
Method: Ramp
Comment: xtalized with 4 eq of water

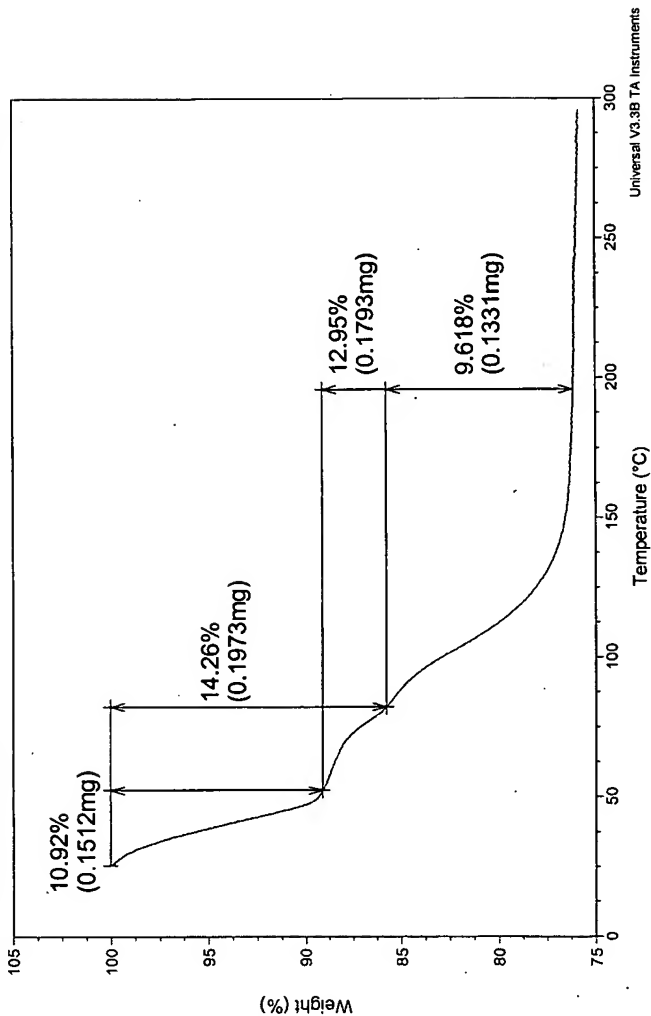


FIGURE 46

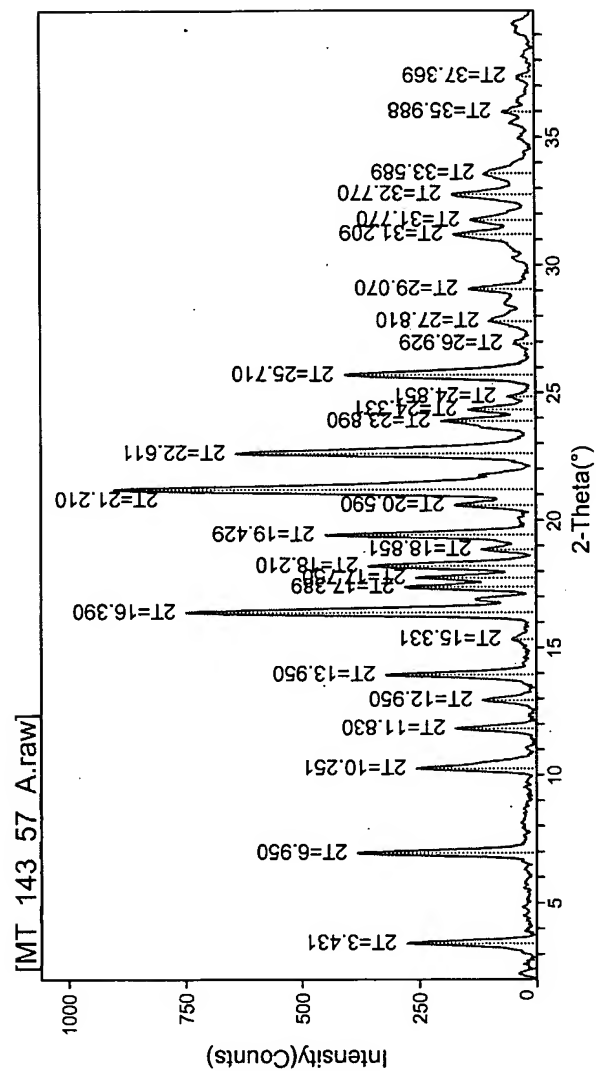


FIGURE 47

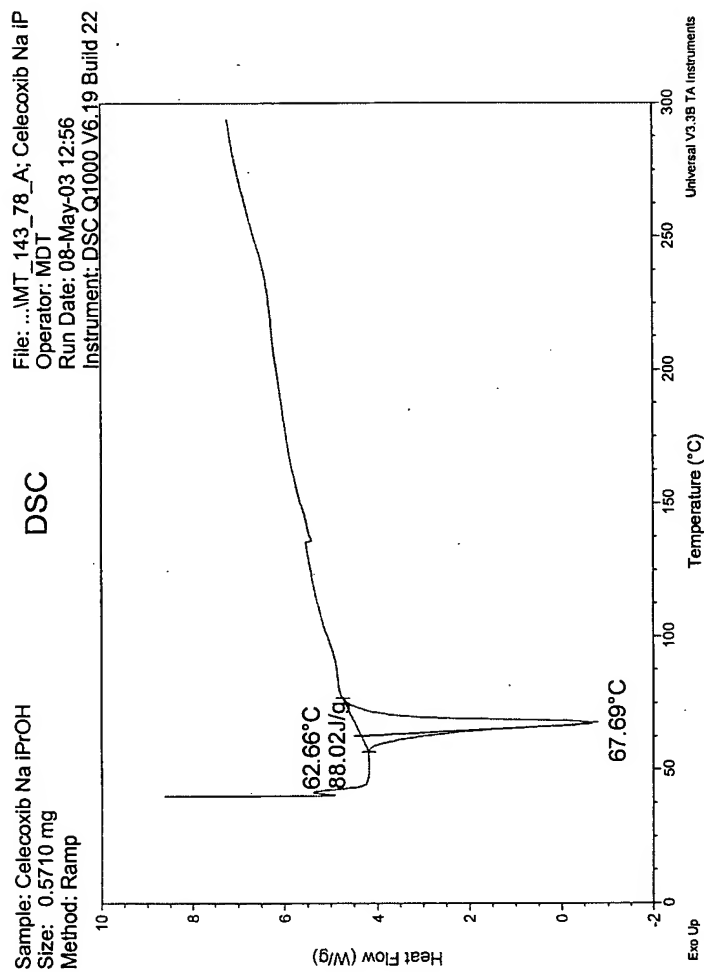


FIGURE 48

Sample: Celecoxib Na iPrOH
Size: 1.8020 mg
Method: Ramp
Component: dried overnight in open vial

TGA

File: ...MT_143_78_A2; Celecoxib Na i
Operator: MDT
Run Date: 09-May-03 07:43
Instrument: TGA Q500 V4.7 Build 151

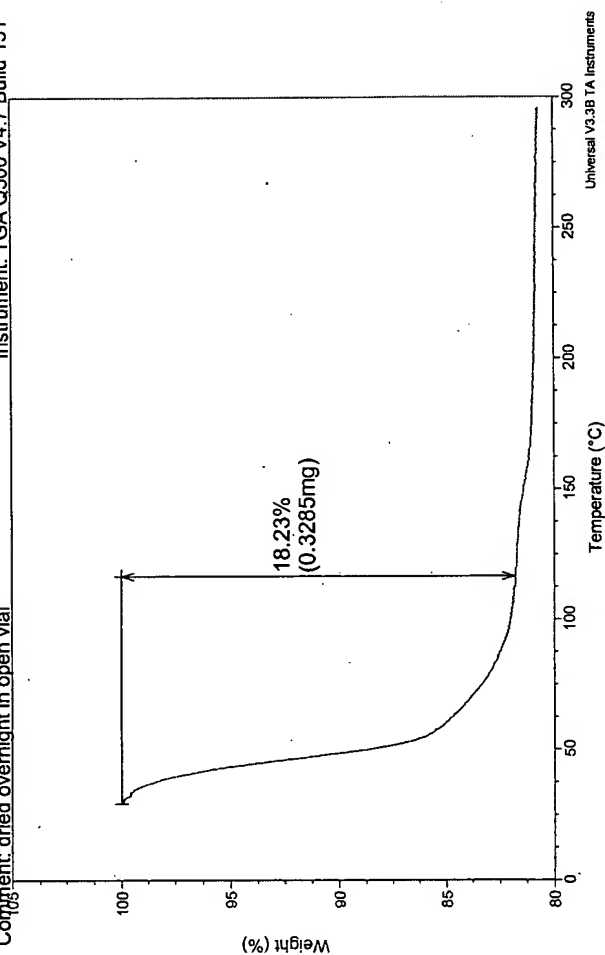


FIGURE 49

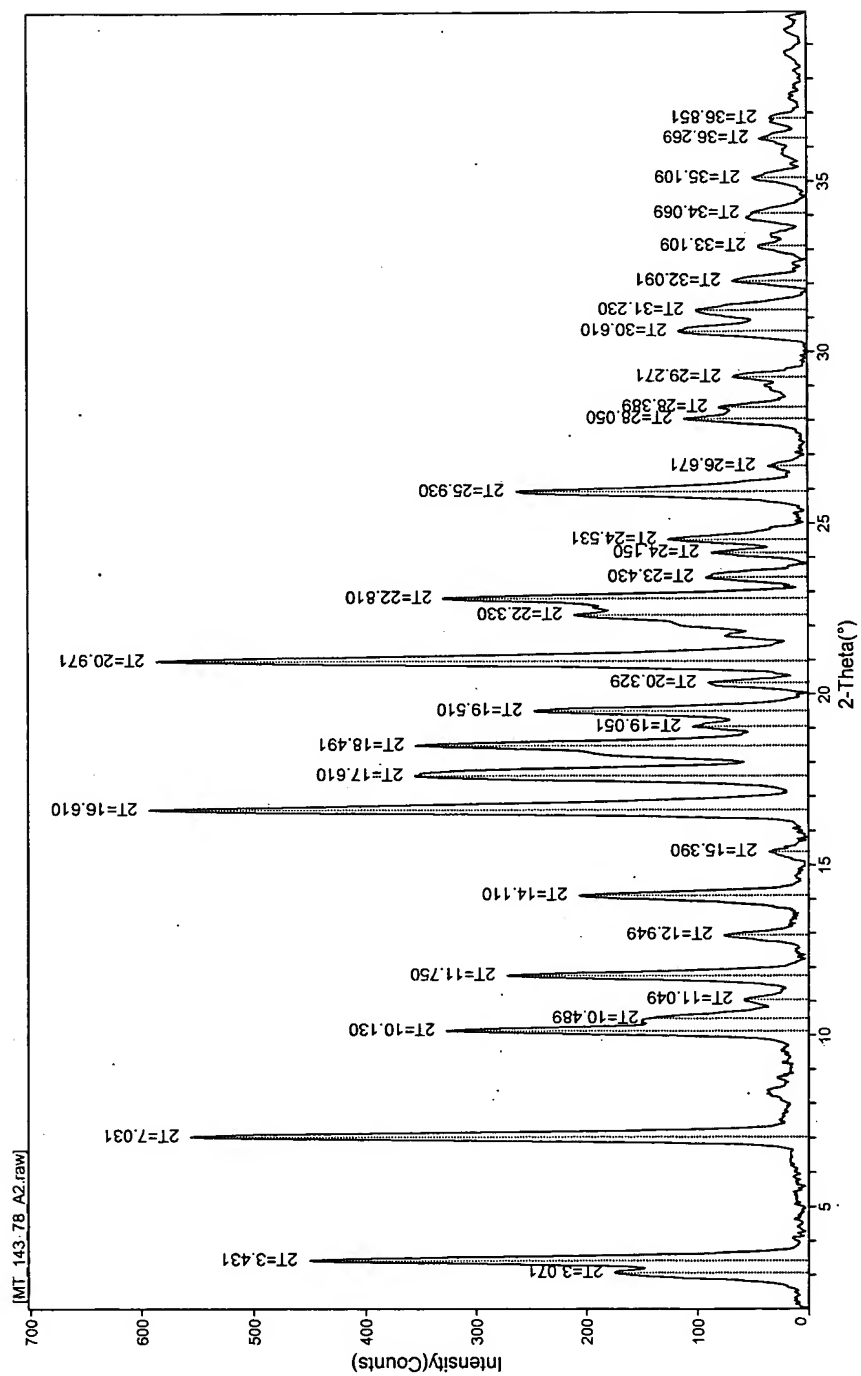


FIGURE 50

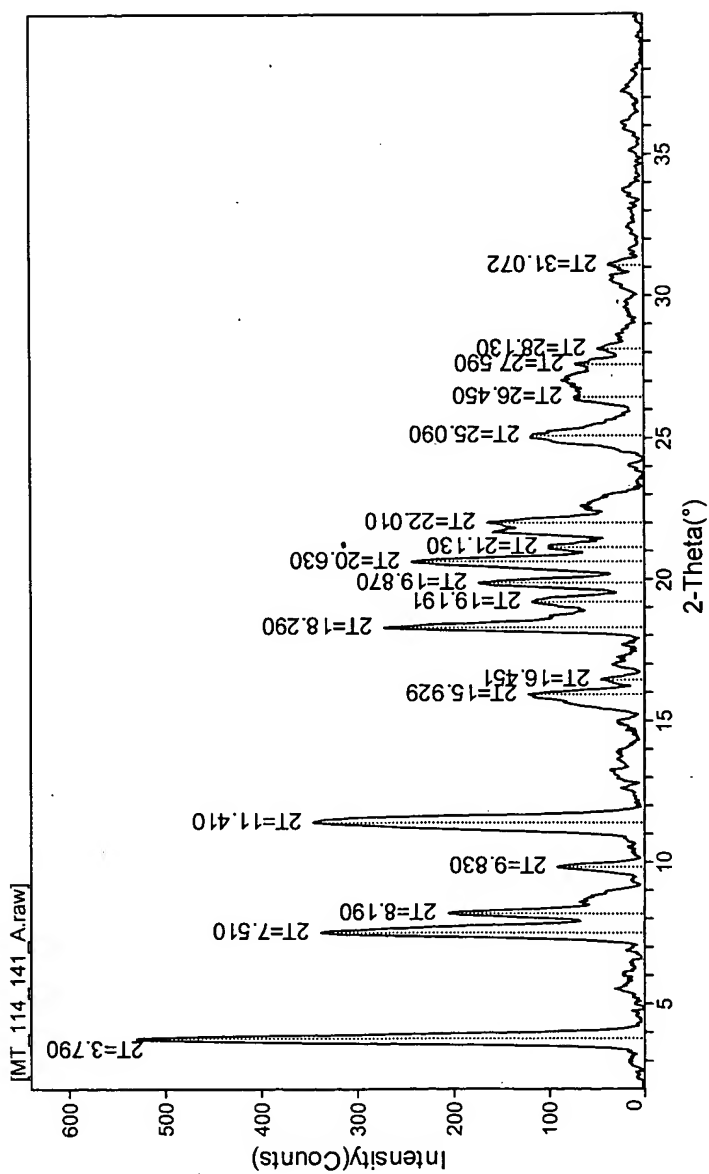


FIGURE 51

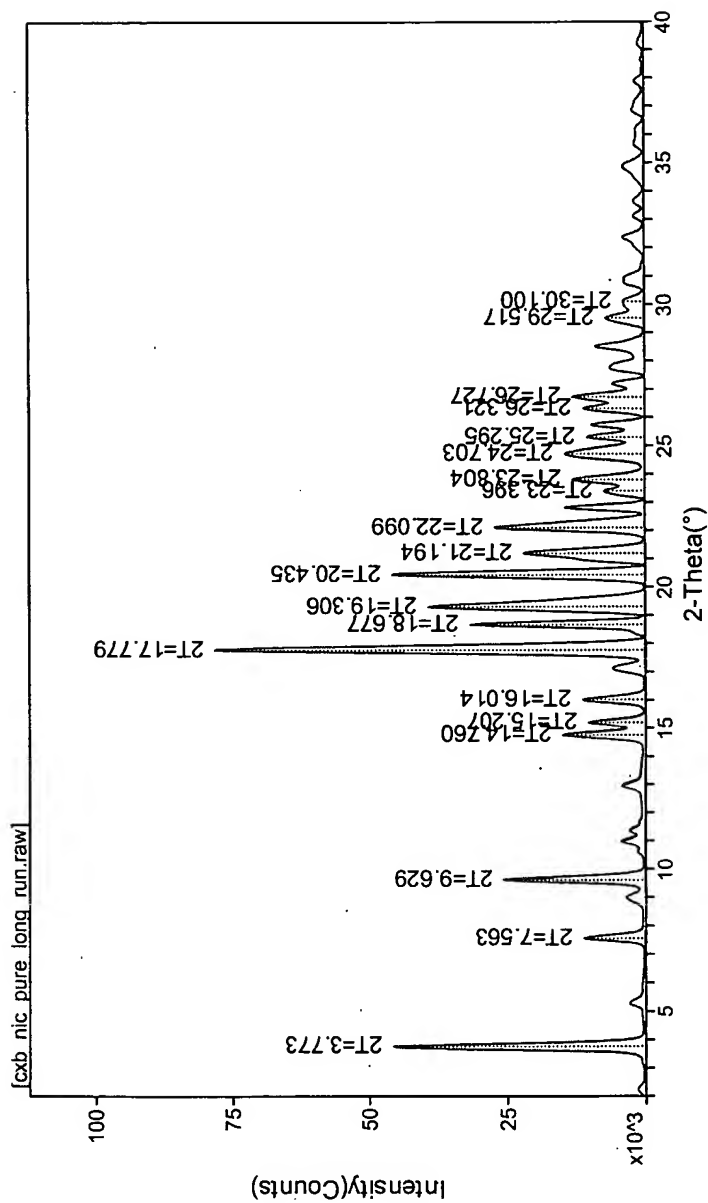


FIGURE 52

17% RH

Celecoxib Na hydrate

Batch No. MT_138_A

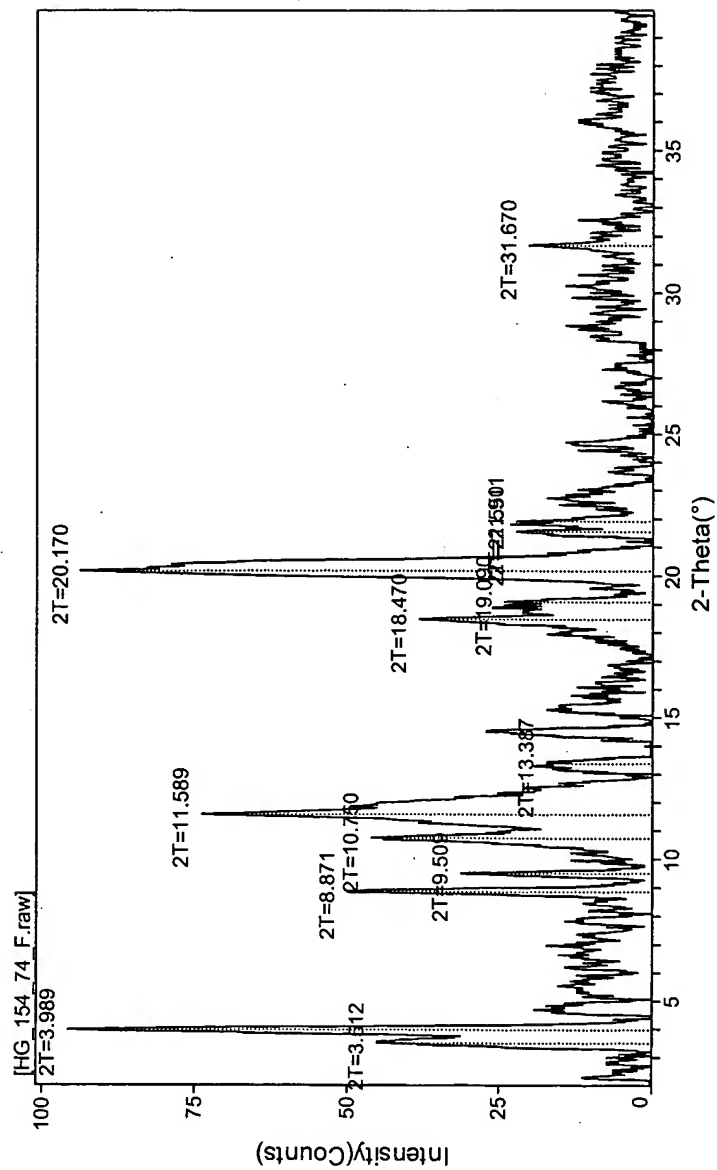


Figure 53

31% RH

Celecoxib Na hydrate

Batch No. MT_143_138_A

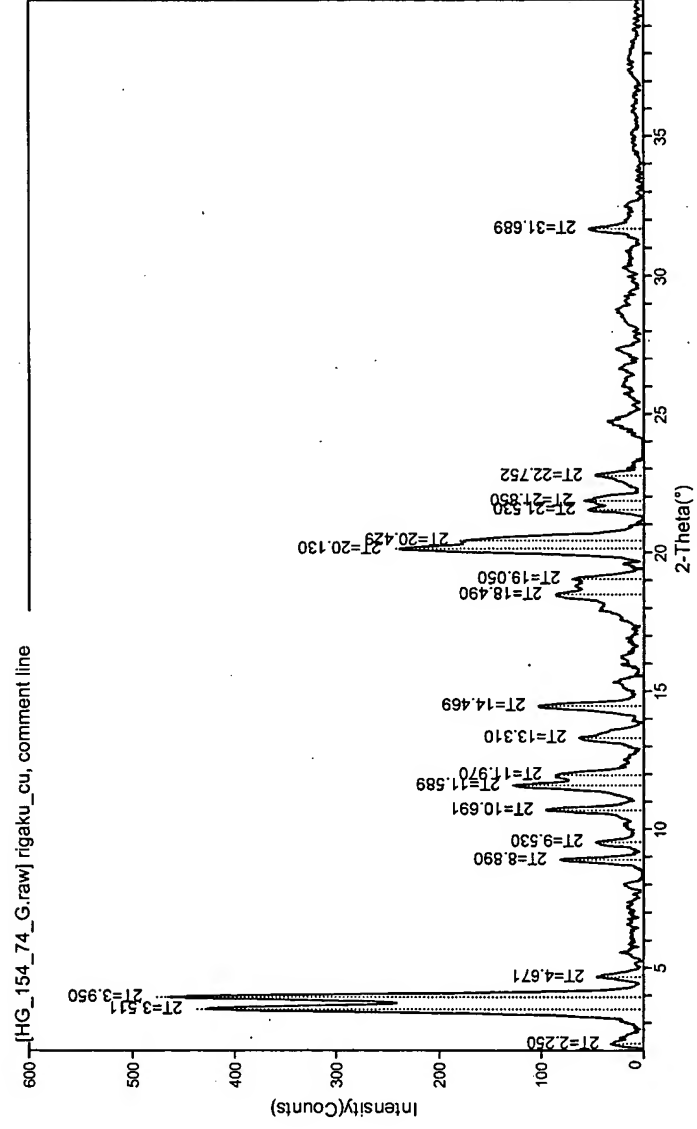


FIGURE 54

59% RH

Celecoxib Na hydrate

Batch No. MT_143_38_A

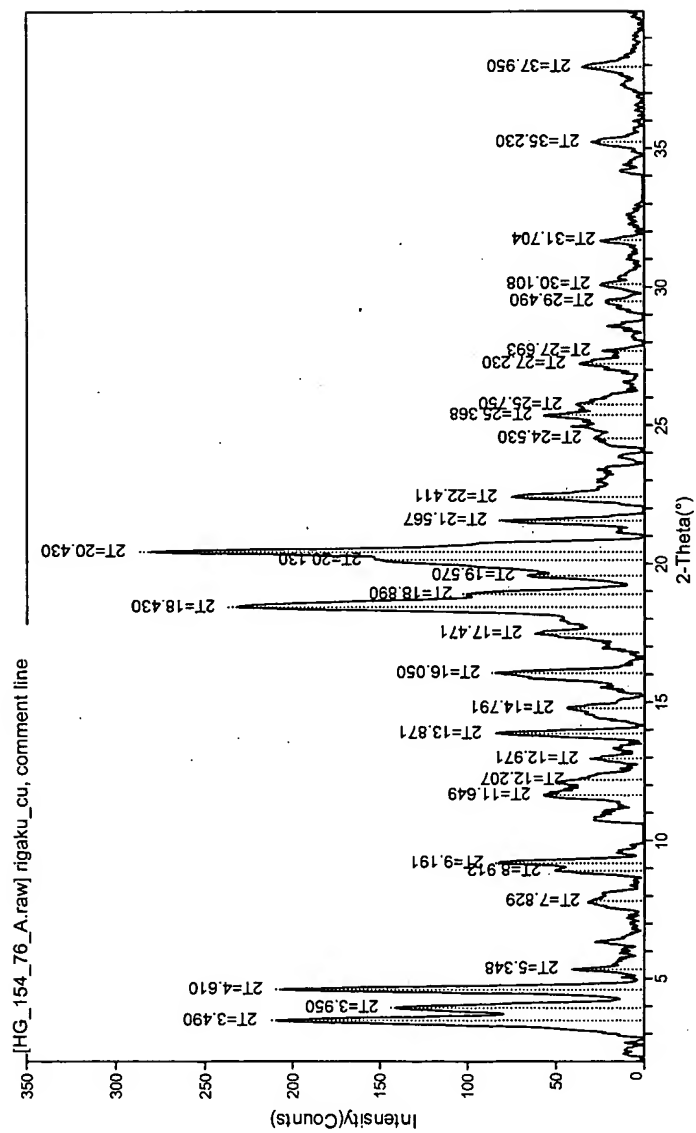


FIGURE 55

74% RH

Celecoxib Na hydrate

Batch No. MT_143_138_A

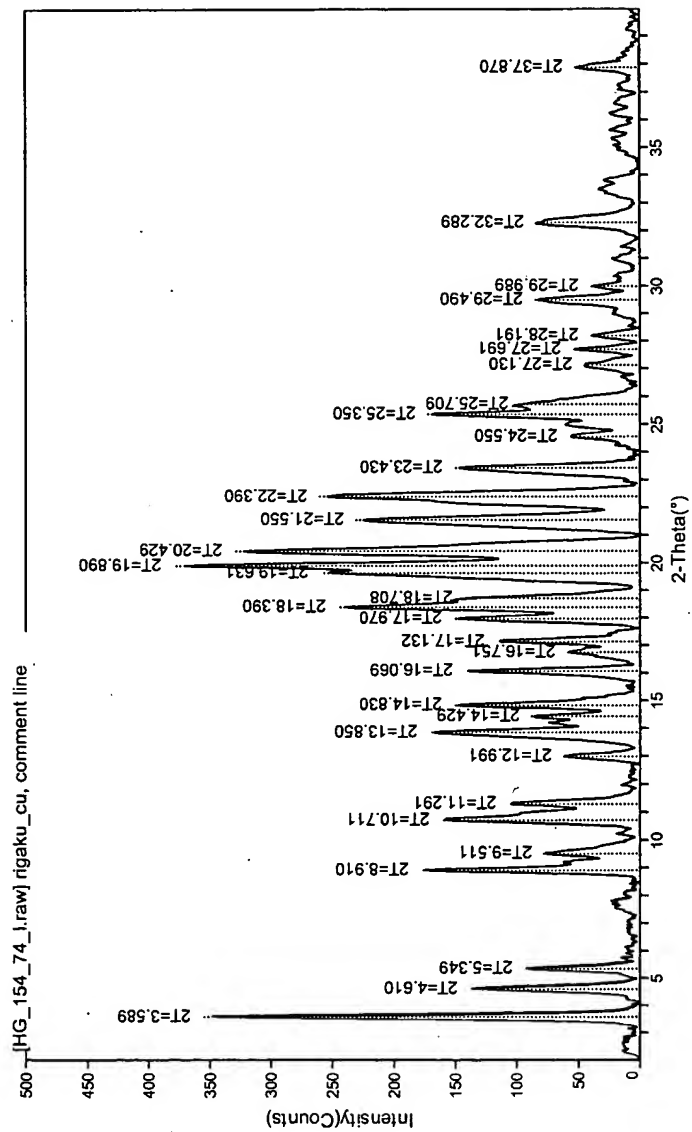


FIGURE 56

17% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

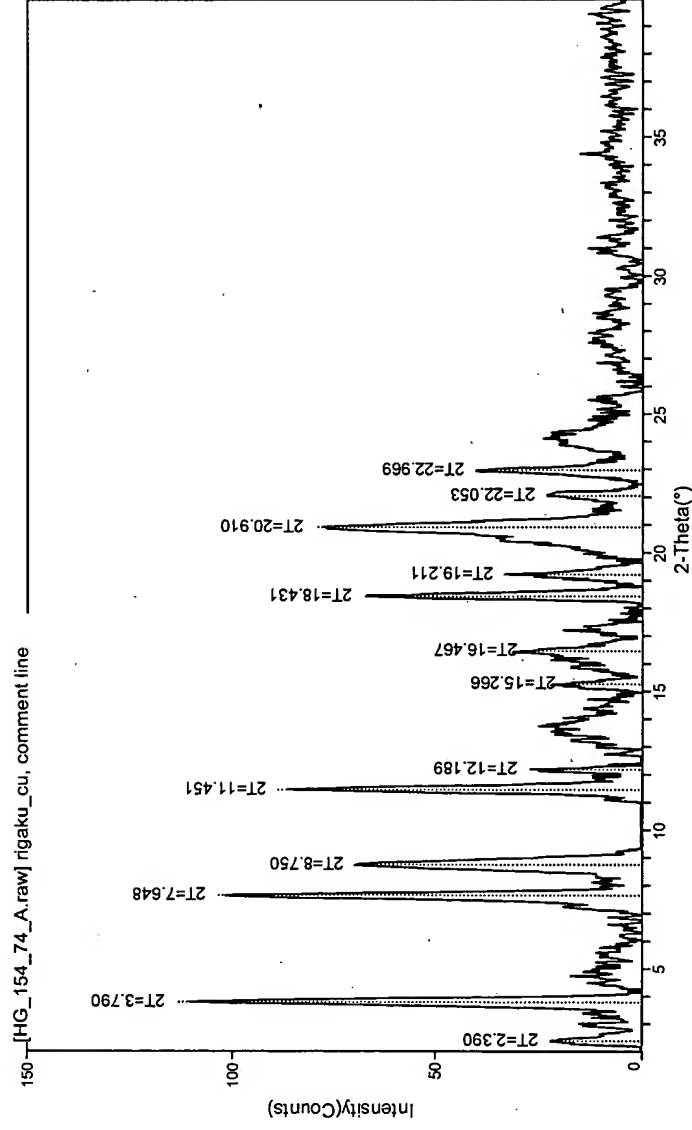


FIGURE 57

31% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

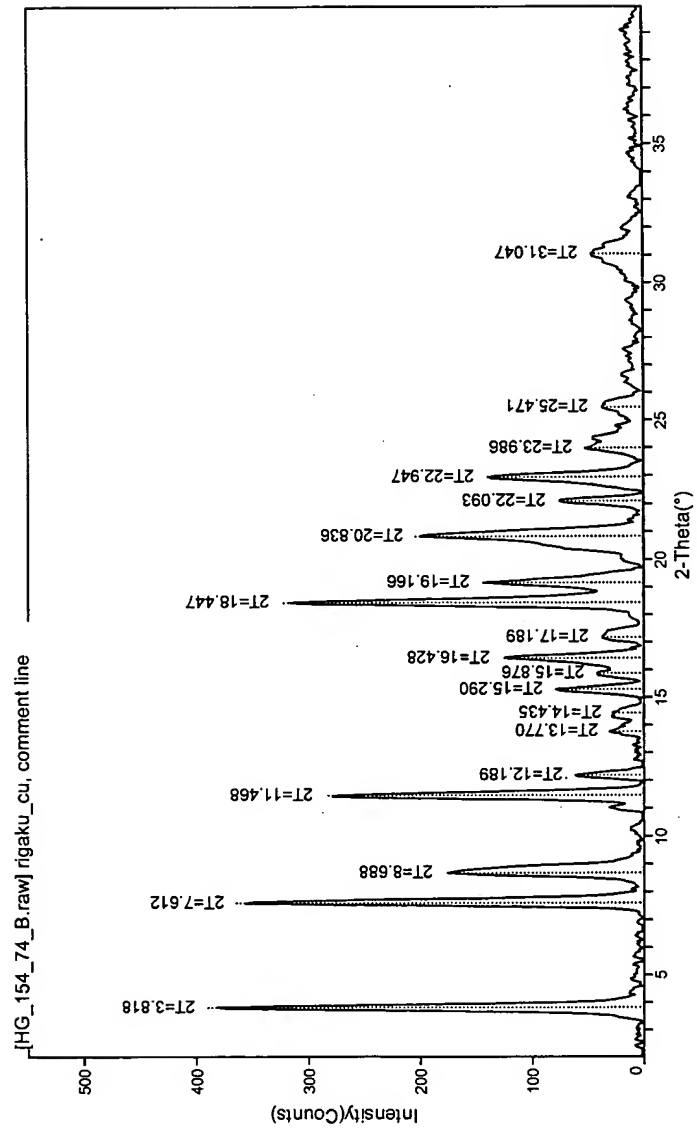


FIGURE 58

59% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

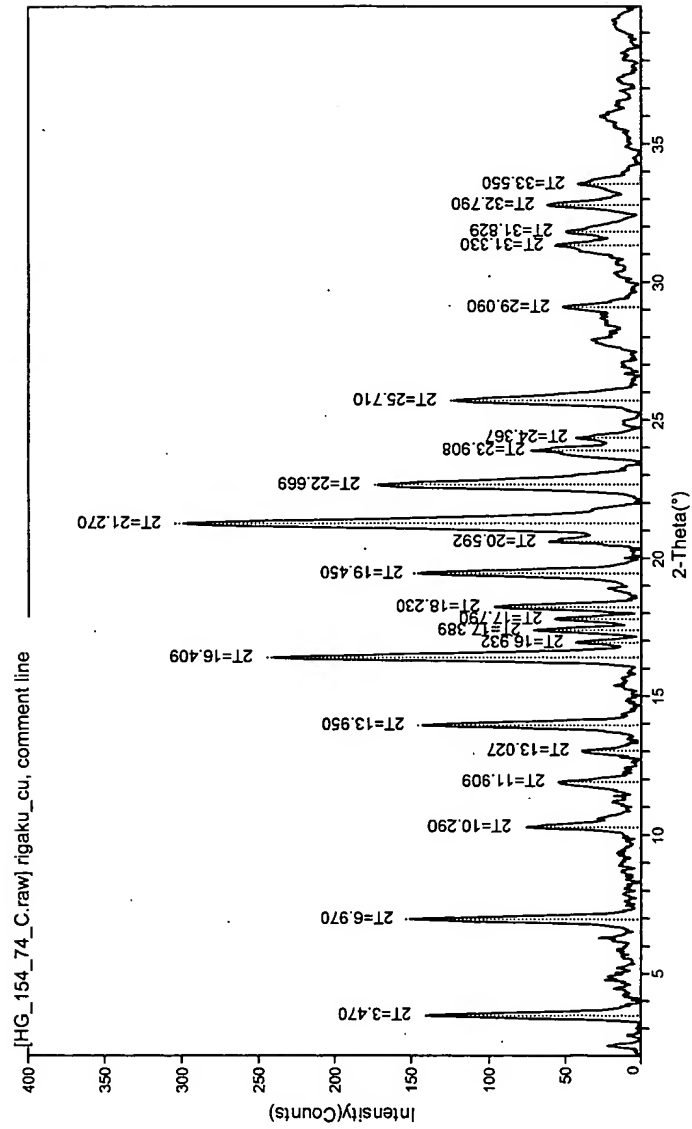


FIGURE 59

74% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

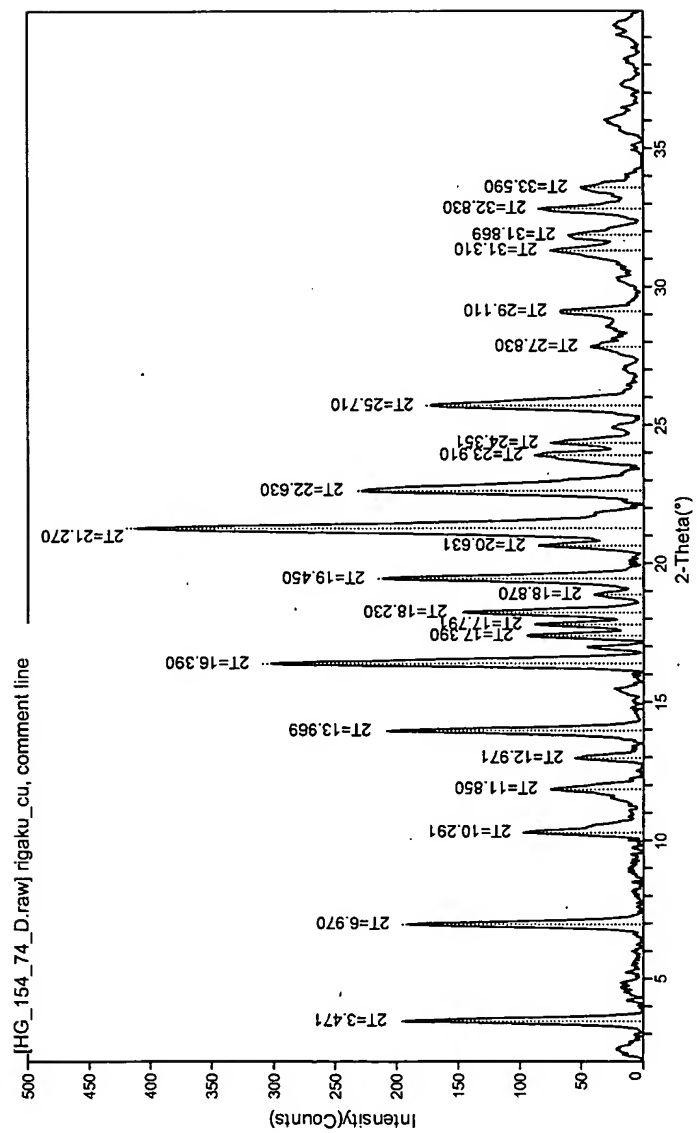


FIGURE 60

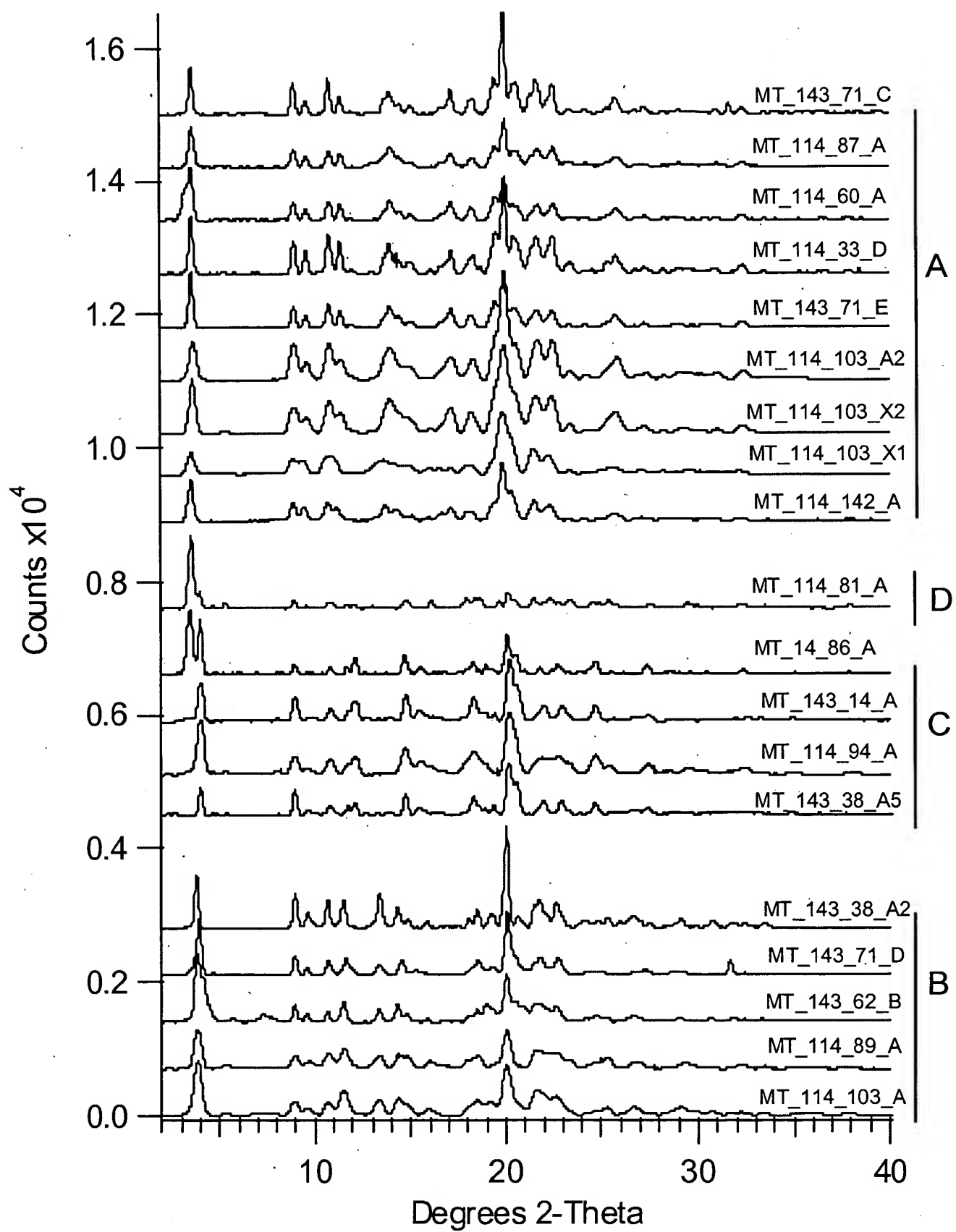


Figure 61

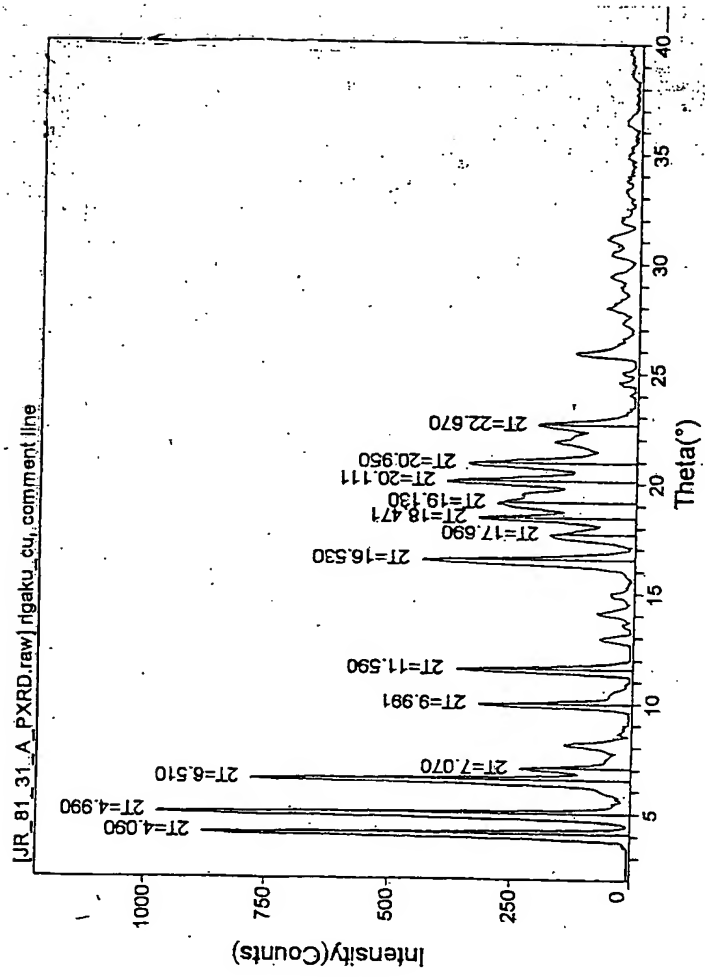


FIGURE 62